Service Manual

Golvo 7000, 7000 S/ES, 7007, 7007 S/ES

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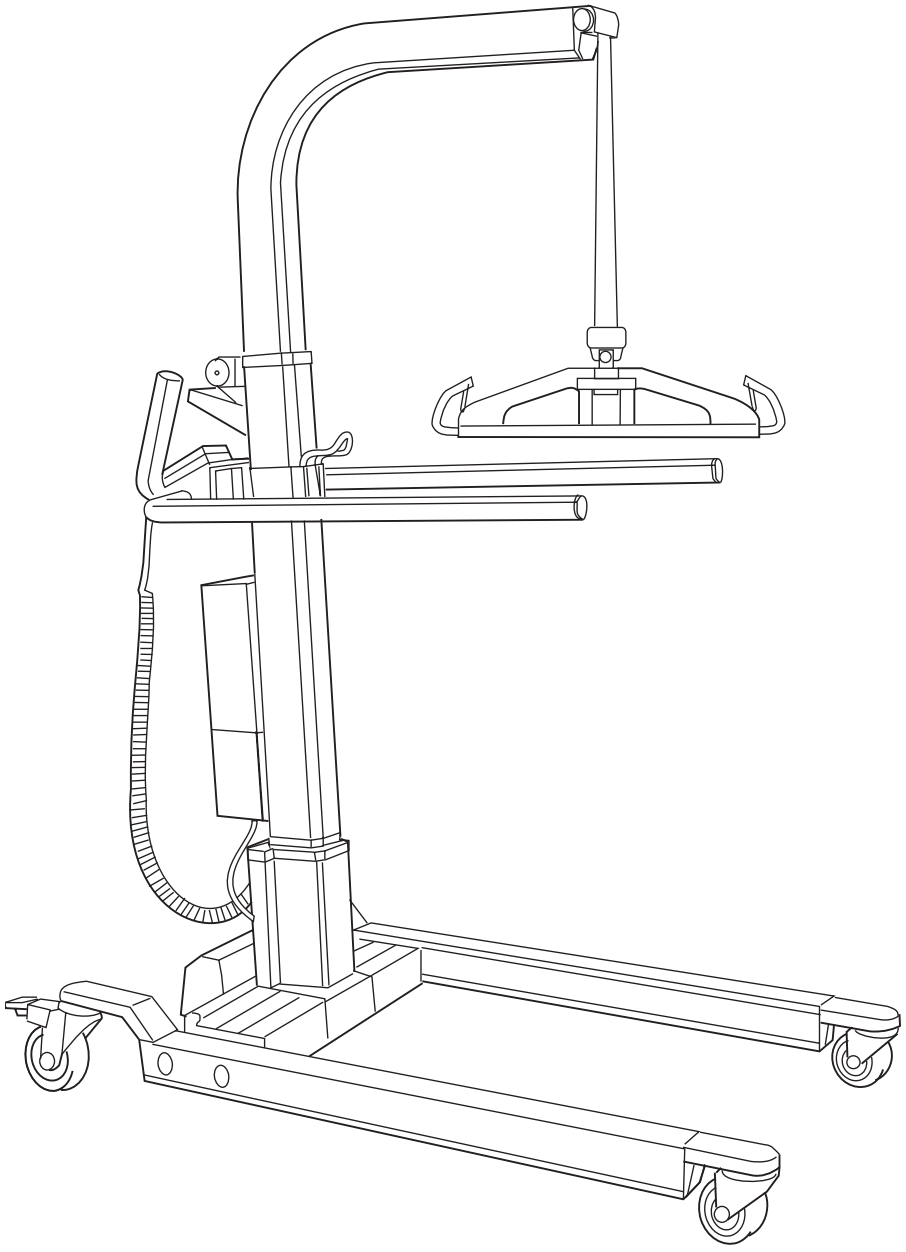
2001-11-16



Liko

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Golvo 7000, 7000 S/ES, 7007, 7007 S/ES

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Golvo 7000, 7000 S/ES, 7007, 7007 S/ES

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Care and Maintenance

For safe and troublefree operation, there are a few routine measures which should be performed every day the lift is used.

- Visually inspect the patient lift and check for external damage or wear.
- Check that all screws are tight.
- Check that the safety latches on the sling bar work properly.
- Check the hand control and the lift and width movements.
- Check the emergency lowering function.
- Charge the battery every night after use, or with the frequency needed.

If needed, clean the patient lift with warm water or ethanol. Warning! Do not use chemicals containing phenol or chlorine, since the aluminium parts may be damaged.

Golvo should be thoroughly serviced at least once per year. Pay particular attention to parts that show wear, for example, joints, bolts, etc. Service must be carried out according to Liko service manual and by authorised staff.

> △ ***WARNING!***
> Use *only* authorised Liko service personnel and Liko spare parts.

Transportation and storage
During transportation, or when the patient lift is not to be used for some time, the emergency button should be pushed in. When storing, keep the patient lift at a temperature exceeding freezing point and at a relative humidity no more than 60%.

We always try to improve our products. Naturally, this means changes from time to time.
Please contact our local representative or visit www.liko.com to receive the latest updates.

Tillsyn och underhåll

För problemfri användning bör vissa detaljer kontrolleras varje dag lyften används:

- Inspektera lyften och kontrollera att inga yttre skador har skett
- Kontrollera skruv och låsmutter som fäster lyftbygeln
- Kontrollera lyftbandets slitage, samt att bandet inte är vridet
- Kontrollera urkrokningsskyddets funktion
- Kontrollera manövreringen av lyftrörelsen
- Kontrollera att lyftområdet är korrekt inställt och att nödsänkningen fungerar
- Ladda batterierna efter varje dag lyften använts och kontrollera då att laddaren fungerar

Rengör lyften med varmt vatten eller tvättsprit vid behov, och se till att hjulen är fria från smuts och hår.

△**OBS!** Använd inte rengöringsmedel som innehåller fenol eller klor, eftersom detta kan skada aluminium och polyamidmaterialen.

△**VIKTIGT!**
Reparation och underhåll skall endast utföras av Liko auktoriserad personal och med originalreservdelar.

Transport och lagring
Under transport, eller då lyften inte ska användas under en längre tid, bör lyften förvaras frostfritt och ej över normal luftfuktighet (ca 60%)

Tillsyn och kontroll
Minst en gång per år ska Golvos förslitningsdetaljer, tex leder, bultförband, bandinfästningar m m, kontrolleras i enlighet med Likos serviceinstruktioner och av auktoriserad personal.

Serviceavtal
Liko erbjuder möjlighet att teckna serviceavtal för underhåll och återkommande provning av er Golvo lyft.

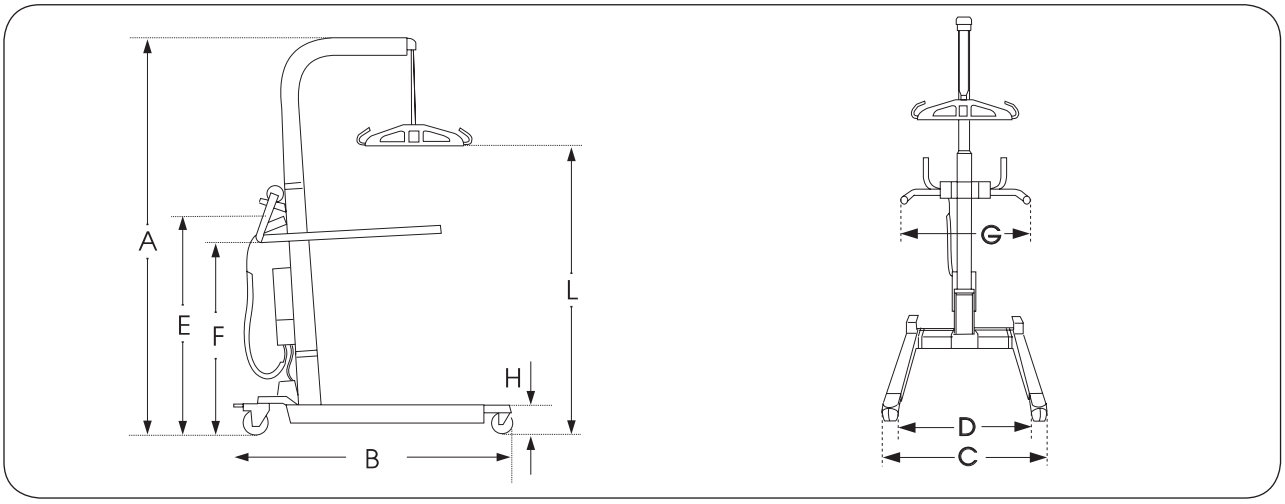
Made in Sweden

Technical Specifications Golvo 7000/7007

Lifting speed: 2,7 cm/s
Motor (mast): 24 V = 10A/12 A. Electrical linear actuator with planetary gearing (Crown gear) and safety nut. Type GMN 3175-001.
Motor (base): 24 V = 5 A. Geared motor.
Material: Aluminium and stainless steel
Batteries: Two rechargeable, valve regulated lead-acid batteries,6,5Ah - 12V
Battery charger: Fully automatic shutdown/restart. Type HPL 40L, 230V~, 50Hz. N.A: Net voltage 120V~, 60Hz. Japan: Net voltage 100V~, 50/60Hz.

Fuses: Battery charger T400mA
Electronic card F1 T12.5A/F2 T2A

Type B according to the degree of protection against electric shock.
Class II equipment.



Model	Capacity	L Max	A Max	A Min	B	C	D	E	F	G	H*	Weight
GOLVO 7000	150	176	202	137	110	67-95	52 - 80	100	90	60	11,5	45
GOLVO 7007	200	186	212	147	116	75-103	60-88	110	100	60	11,5	48

Capacity and weight in kg. Measurement in cm. *Lifting range 130 cm. Adjustable in height*
** Other sizes of wheels (wheels) are available on request.*

Model	Capacity	L Max	A Max	A Min	B	C	D	E	F	G	H*	Weight
GOLVO 7000	330	70	79	54	43	27-38	21-32	39	35	24	4,5	99
GOLVO 7007	440	74	83	58	46	30-41	24-35	43	39	24	4,5	106

Capacity and weight in lbs. Measurement in inches. *Lifting range 130 cm (4' 4"). Adjustable in height*
** Other sizes of wheels (wheels) are available on request.*

Maximum Load: Golvo 7000 150 kg (330 lbs)
Golvo 7007 200 kg (440 lbs)

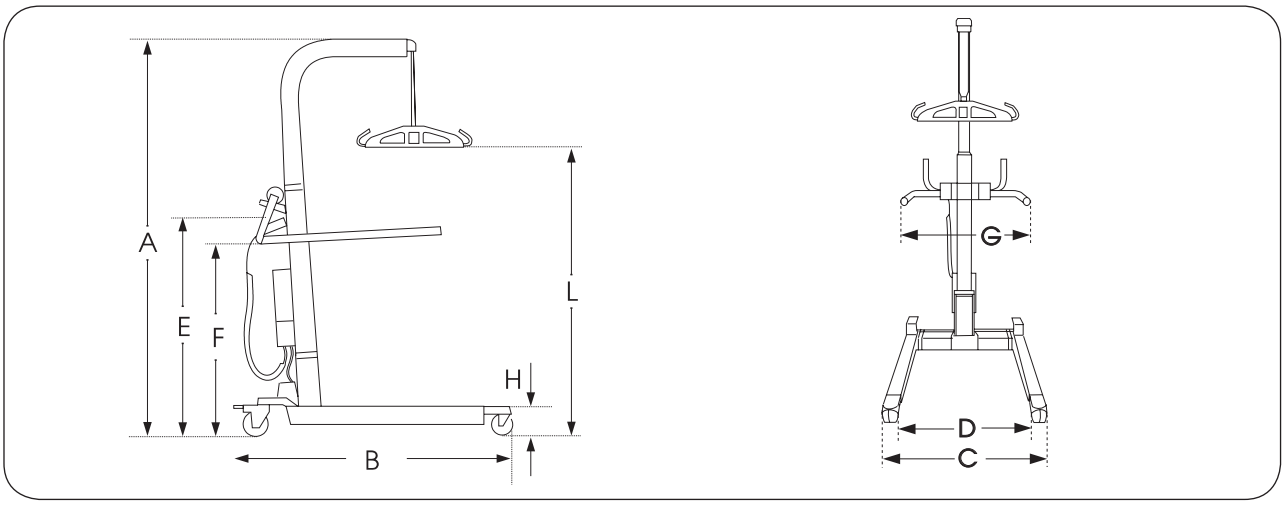
Standards: DIN 32979
EN 60601-1
IEC 601-1 1988
SS2430

Tekniska data Golvo 7000/7007

Lyfthastighet: 2,7 cm/s
El: 24 V 10A/12 A.
Säkringar: F1 T12,5A, F2 T2A
Batteri: 2 st 12 V, 6.5Ah
Slutna blyack, sk. gelbatterier
Ställdon/motor: 24 V 10 A. Fabr. Magnetic med ljuslös planetväxel, ”Crowngear” och säkerhetsmutter
Breddn. motor: 24 V 3.5 A. Vinkelväxel
Batteriladdare: Type HPL 40L, 230V~, automatisk laddningsfunktion. Säkring: T400mA**.**

Laddning: Varje natt efter användning
Material: Eloxerad aluminium
Nödsänkning: Mekanisk

Type B enligt skyddsgrad mot elektrisk chock
Klass II utrustning



Model	Kapacitet	L Max	A Max	A Min	B	C	D	E	F	G	H*	Vikt
GOLVO 7000	150	176	202	137	110	67-95	52 - 80	100	90	60	11,5	45
GOLVO 7007	200	186	212	147	116	75-103	60-88	110	100	60	11,5	48

Kapacitet och vikt i kg. Mått i cm. *Lyftområde 130 cm flyttbart i höjdled.*
** Mindre alternativt större hjul finns som extra tillbehör.*

Maxlast: Golvo 7000 150 kg (330 lbs)
Golvo 7007 200 kg (440 lbs)

Standard: DIN 32979
EN 60601-1
IEC 601-1 1988
SS2430

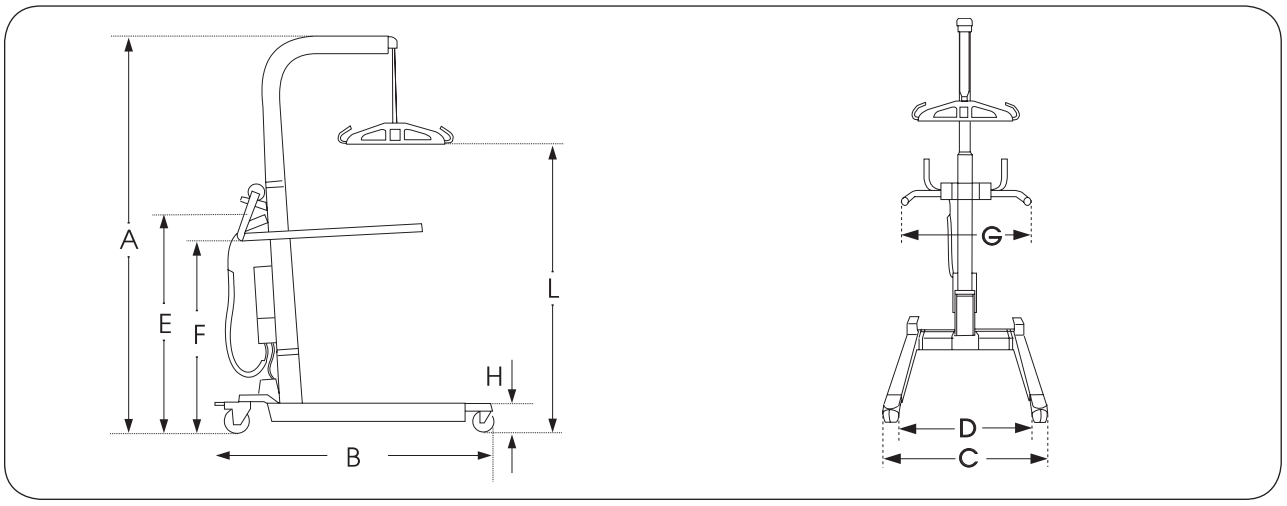
Technical Specifications Golvo 7000 S/7007 S

Lifting speed: 4,8 cm/sek, 2,7 cm/sek at max. load
Motor (mast): 24 V = 6.5A. Electrical linear actuator with planetary gearing (Crown gear) and safety nut. Manufacture by Liko.
Motor (base): 24 V = 3.5 A. Geared motor
Material: Aluminium and stainless steel.
Batteries: Two rechargeable, valve regulated lead-acid batteries, 3,2 Ah - 12V

Battery charger: Fully automatic shutdown/restart.
Noratel type HPL 40L.
Output 27,6V= 1.25ADC.
Fuse F1: T400mA/230V T800mA/115V
Specialfuses F2:pfuse F2A, F3:pfuse F2A
N.A: Type HPL 40L/115, 115 V~,60 Hz
Japan: Type HPL 40L/100, 100 V~,50/60 Hz
Other: Type HPL 40L/230, 230 V~,50 Hz

Type B according to the degree of protection against electric shock.

Class II equipment.



Model	Capacity	L Max	A Max	A Min	B	C	D	E	F	G	H*	Weight
GOLVO 7000S	200	176	202	137	112	67-95	52 - 80	100	90	60	11,5	43
GOLVO 7007S	200	186	212	147	116	75-103	60-88	110	100	60	11,5	48

Capacity and weight in kg. Measurement in cm. *Lifting range 130 cm. Adjustable in height*
** Other sizes of wheels (wheels) are available on request.*

Model	Capacity	L Max	A Max	A Min	B	C	D	E	F	G	H*	Weight
GOLVO 7000S	440	70	79	54	44	27-38	21-32	39	35	24	4,5	96
GOLVO 7007S	440	74	83	58	46	30-41	24-35	43	39	24	4,5	106

Capacity and weight in lbs. Measurement in inches. *Lifting range 130 cm (4' 4"). Adjustable in height*
** Other sizes of wheels (wheels) are available on request.*

Maximum Load: Golvo 7000S 200 kg (440 lbs)
Golvo 7007S 200 kg (440 lbs)

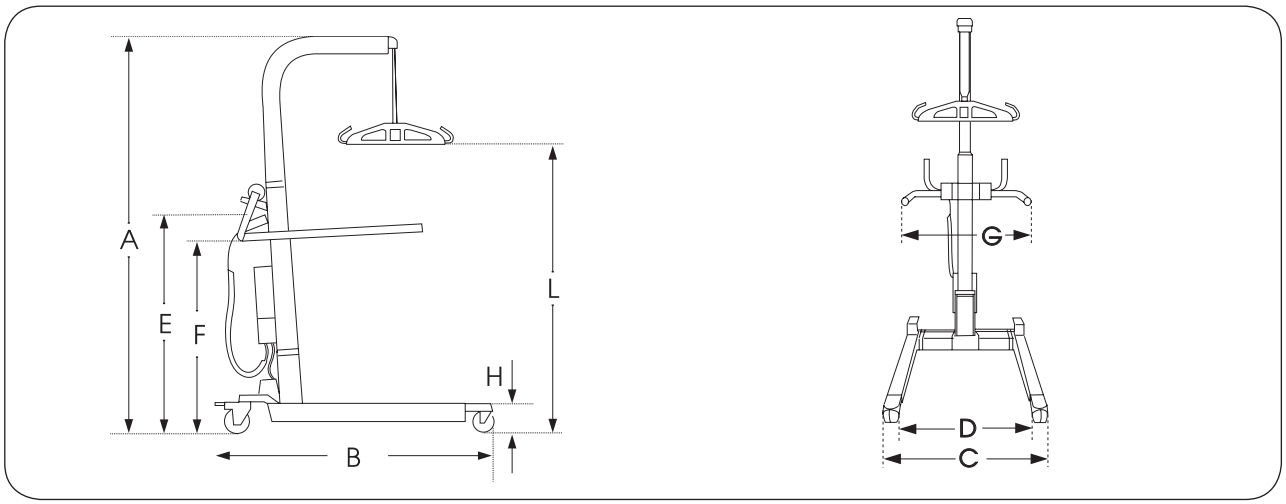
Standards: DIN 32979
EN 60601-1
IEC 601-1 1988
SS2430

Tekniska data 7000 S/7007 S

Lyfthastighet: 4,8 cm/sobel. 2,7 cm/s vid max last
El: 24 V = 6,5 A.
Säkringar: F1 T12.5A, F2 T2A
Batteri: 2 st 12 V, 3.2 Ah
Slutna blyack, sk. gelbatterier
Ställdon/motor: 24 V=6,5 A. Fabr. Liko med planetväxel, och säkerhetsmutter (förslitn.sk)
Breddn. motor: 24 V 3.5 A. Snäckväxel
Batteriladdare: Type HPL 40L, 230V~, automatisk laddningsfunktion. Säkring: T400mA.

Laddning: Varje natt efter användning
Material: Eloxerad aluminium
Nödsänkning: Mekansik

Type B enligt skyddsgrad mot elektrisk chock
Klass II utrustning



Modell	Kapacitet	L Max	A Max	A Min	B	C	D	E	F	G	H*	Vikt
GOLVO 7000 S	200	176	202	137	112	67-95	52 - 80	100	90	60	11,5	43
GOLVO 7007 S	200	186	212	147	116	75-103	60-88	110	100	60	11,5	48

Kapacitet och vikt i kg. Mått i cm. *Lyftområde 130 cm. Flyttbart i höjdled.*
** Mindre alternativt större hjul finns som extra tillbehör.*

Max last: Golvo 7000S 200 kg (440 lbs)
Golvo 7007S 200 kg (440 lbs)

Standard: DIN 32979
EN 60601-1
IEC 601-1 1988
SS2430

Technical Specifications 7000 ES/7007 ES

Lifting speed: Two speeds 4.8 cm/s (with load) and 3.2 cm/s (no load)

Batteries: Two 2,9Ah - 12V valve regulated rechargable leadacid batteries. New batteries are supplied by the manufacturer.

Battery charger: Built-in charger for 100-230V, 50-60 Hz, max 400 mA

Motor (mast): 24 V = 6.5 A. Manufactured by Liko with planetary gearing and safety nut (prevents damage caused due to wear)

Motor (base): 24 V = 3.5 A. Geared motor

Charging: Every night after use

Wheels: Standard front: 75 mm twin wheels Standard rear: 100 mm lockable single wheels. Standard wheels have a base clearance of 4 cm (1.6 inch.) Smaller and larger wheels are available as accessories.

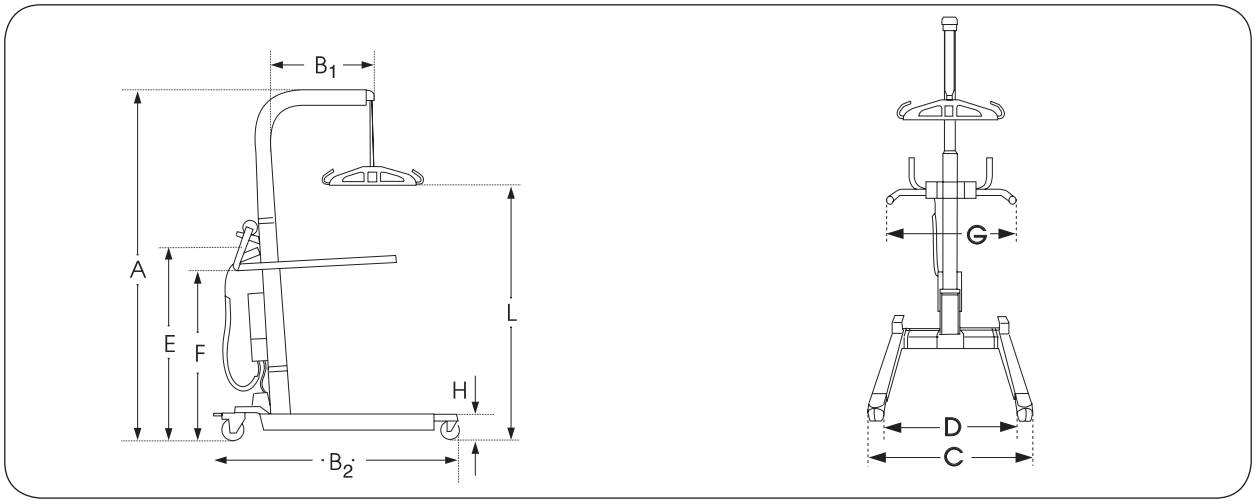
Material: Anodized aluminium

Em. lowering: Mechanical and electrical.

Intermittent operation: Int. Op 15/85, active operation max 6 min. Out of a time of 100, active must be less than 15, however not more than 6 min.

IP class 43

This device is built for indoor operation.
Type B according to the degree of protection against electric shock.
Class II equipment.



Model	Capacity	L Max	A Max	A Min	B_1	B_2	C	D	E	F	G	H*	Weight	Turning-diameter
GOLVO 7000 ES	200	170	199	136	53	122	67 - 95	53-81	100	90	60	11,5	43	129
GOLVO 7007 ES	200	187	209	146	56	128	75-102	62-90	110	100	60	11,5	48	138

Capacity and weight in kg. Measurement in cm. *Lifting range 130 cm, adjustable.*
** Measure with standard wheels (75 mm front, 100 mm rear). Smaller and larger wheels are available as accessories.*

Model	Capacity	L Max	A Max	A Min	B_1	B_2	C	D	E	F	G	H*	Weight	Turning-diameter
GOLVO 7000 ES	440	70	78	53.5	21	48	25 - 37	21-32	39	35.5	23.5	4.5	94.5	51
GOLVO 7007 ES	440	73.5	82	57.5	22	50	30 - 40	24-35	43	39	23.5	4.5	105.5	54

Capacity and weight in lbs. Measurement in inches. *Lifting range 51 inches, adjustable.*
** Measure with standard wheels (75 mm front, 100 mm rear). Smaller and larger wheels are available as accessories.*

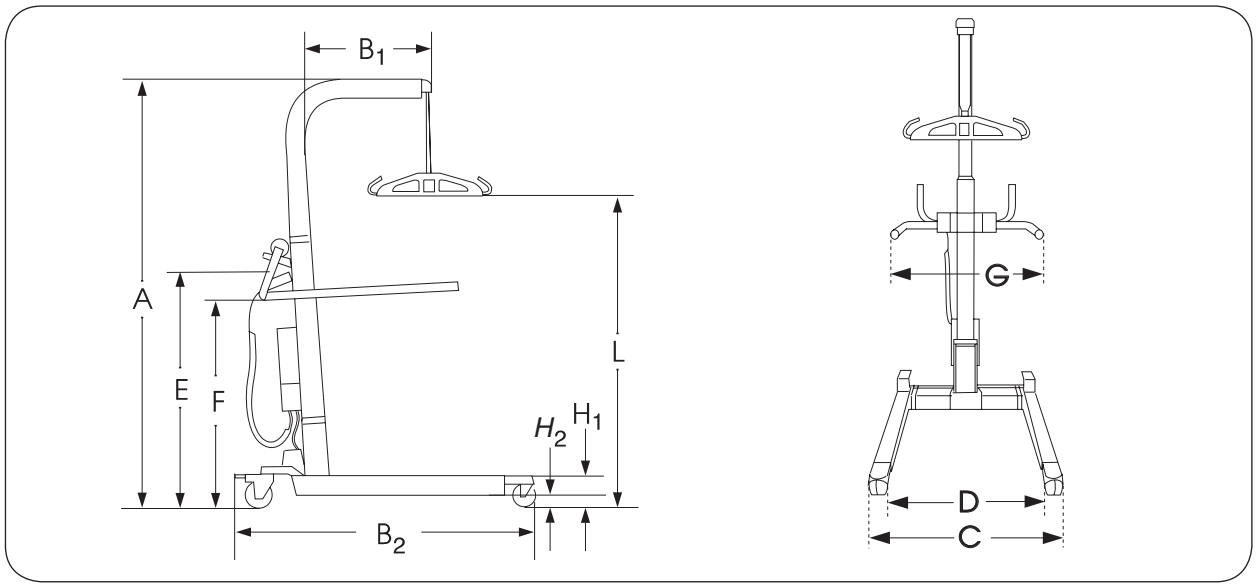
Tekniska data 7000 ES/7007 ES

Lyfthastighet: Två hastigheter; 4,8 cm/s resp 3,2 cm/s obelastat
Batteri: 2 st 12V 2.9 Ah ventilreglerade slutna blyack, s.k gelbatterier. Nya batterier tillhandahålles av leverantören.
Batteriladdare: Inbyggd laddare för 100 - 230 V, 50-60 Hz, max 400 mA
Ställdon/motor: 24 V 6.5 A. Fabr. Liko med planetväxel, och säkerhetsmutter (motverkar förslitningsskador)
Breddn. motor: 24 V 3.5 A. Snäckväxel.
Laddning: Varje natt efter användning.
Hjul: *Standard fram:* 75 mm tvillinghjul *Standard bak:* 100 mm bromsade enkelhjul. Standardhjulen ger en markfrigång på 4 cm. Mindre alternativt större hjul finns som tillbehör.

Material: Eloxerad aluminium
Nödsänkning: Mekanisk och elektrisk
Intermittent drift: Int. Op 15/85, aktiv drift max 6 min. Av en tid på 100 får aktiv tid vara 15, dock max 6 min.

IP klass 43

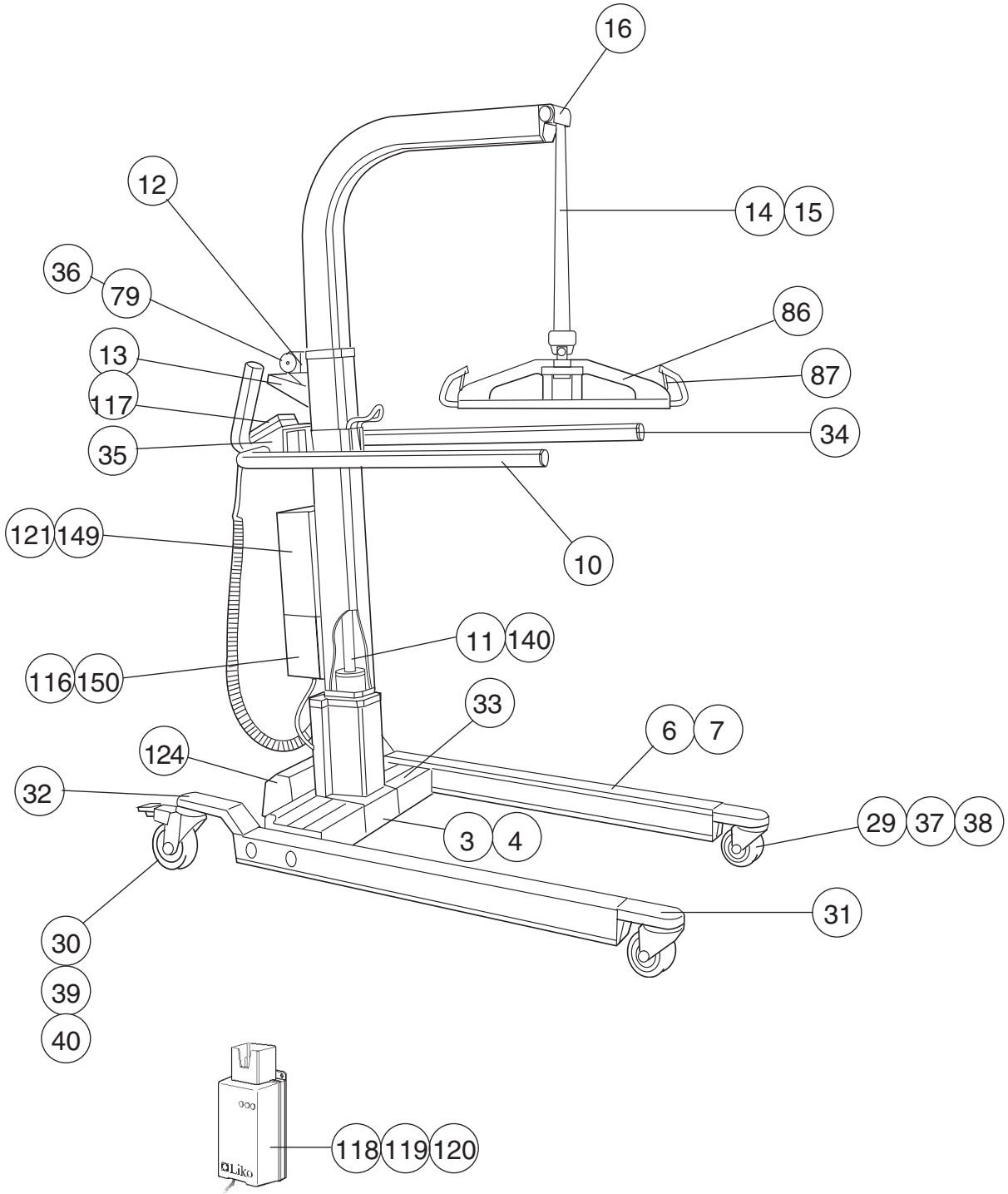
Apparaten är avsedd förinhomhusbruk.
Typ B, enligt skyddsgrad mot elektrisk chock.
Klass II utrustning.



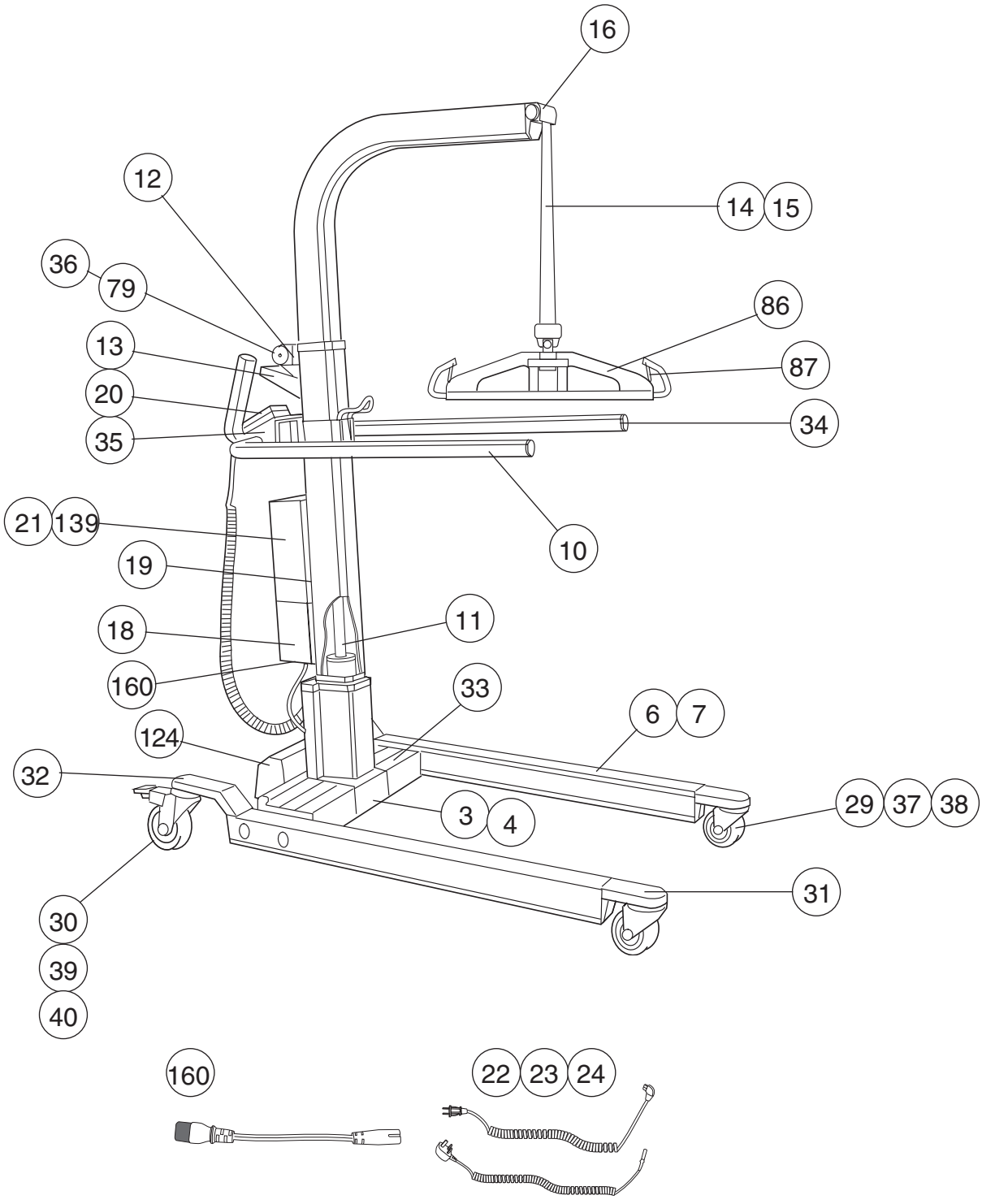
Modell	Kapacitet	L Max	A Max	A Min	B_1	B_2	C	D	E	F	G	H_1*	H_2*	Vikt	Vänd diameter
GOLVO 7000ES	200	177	199	136	53	122	67 - 95	53-81	100	90	60	11,5	4	43	129
GOLVO 7007ES	200	187	209	146	54	131	75-102	62-90	110	100	60	11,5	4	48	138

Kapacitet och Vikt i kg. Mått i cm. Lyftområde 130 cm. Flyttbart i höjdled. Golvo är typgodkänd av SA och patentskyddad.
** Mått med standardhjul (75 mm fram, 100 mm bak). Mindre alternativt större hjul finns som extra tillbehör.*

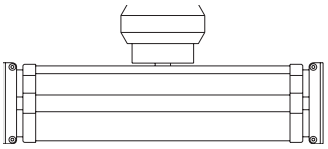
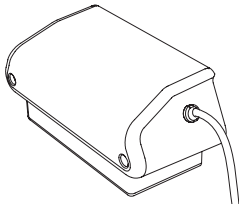
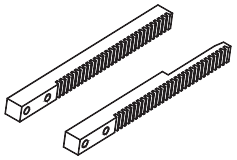
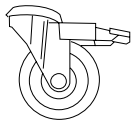
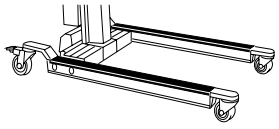
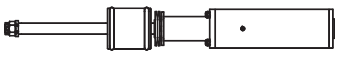
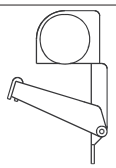
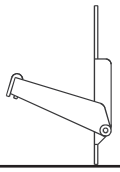
Positions Golvo 7000/7007, 7000 S/7007 S



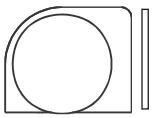
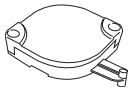
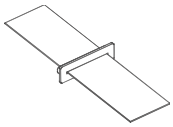
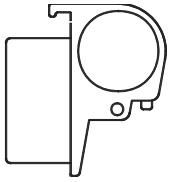
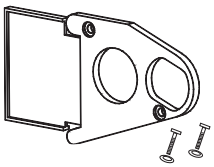
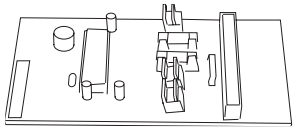
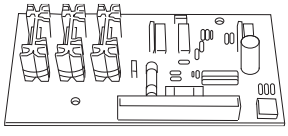
Positions Golvo 7000 ES/7007 ES



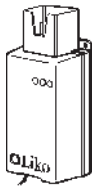
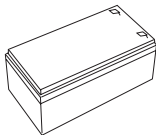
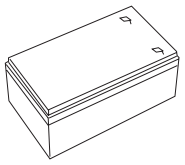
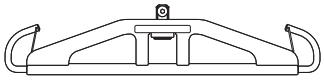
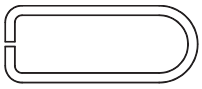
Spareparts Golvo 7000/7007, 7000 S/7007 S

PART. NO	POS. NO	PRODUCT	UNIT	
20090003 20090004	3 4	Middle Beam G7 Middle Beam G77	pce pce	
20090046	124	Motor base with adj. G7-77 (replacement 20090005)	pce	
20090038	33	Gear rack set	set	
20090042 20090034 20090043	37 29 38	Frontwheel 50 mm Frontwheel 75 mm Frontwheel 100 mm	pce pce pce	
20090044 20090035 20090045	39 30 40	Rearwheel 75 mm Rearwheel 100 mm Rearwheel 125 mm	pce pce pce	
20090009 20090010	6 7	Leg Protector G7 Leg Protector G77	pair pair	
20090013	10	Armrest complete	set	
20090014 970000026	11 140	Actuator G7-77 Actuator G7-77 only	pce pce	
20090015	12	Emergency lowering device	pce	
20090016	13	Body/Handle set for emerg. low device	pce	

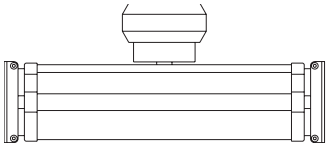
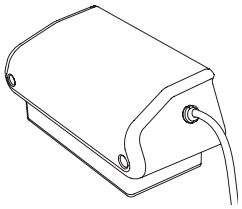
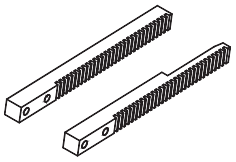
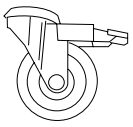
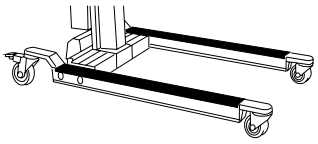
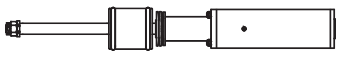
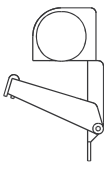
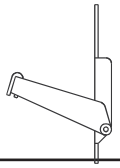
Spareparts Golvo 7000/7007, 7000 S/7007 S

PART. NO	POS. NO	PRODUCT	UNIT	
31190008	79	Plastic housing	pce	
20090041	36	Spring magazine	pce	
20090018 20090019	14 15	Lift strap G7 Lift strap G77	pce pce	
20090020	16	Roll frame attachment G7/G77	pce	
20090036	31	Front fork cover G7/G77	pair	X 2
20090037	32	Rear fork cover G7/G77	pair	X 2
20090039	34	End cover handle/armsupport	set	X 4
20090040	35	End cover armrest	pair	 X 2
950000129	150	Electronic card processor	pce	
950000130	116	Electronic card tyristor	pce	
3692112	117	Handcontrol 4-button	pce	

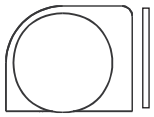
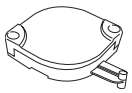
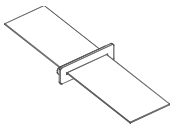
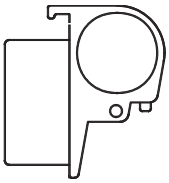
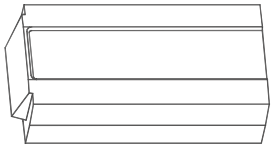
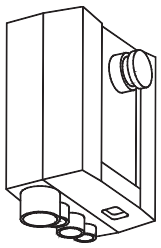
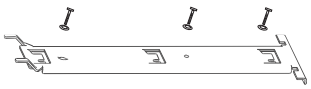
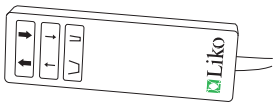
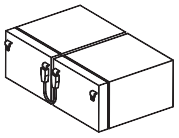
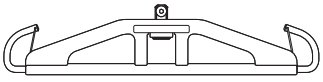
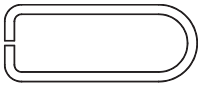
Spareparts Golvo 7000/7007, 7000 S/7007 S

PART. NO	POS. NO	PRODUCT	UNIT	
3126101 3126102 3126103	118 119 120	Battery charger, EU Battery charger, UK Battery charger, US	pce pce pce	
950000146	149	Battery 3,0Ah/12V G7-S	pce	
950000134	121	Battery 6,5Ah/12V G7-S/G7	pce	
3156001	86	Sling bar Universal 450, stainless	pce	
31190018	87	Safety latch	pair	 X 2

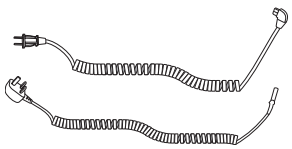
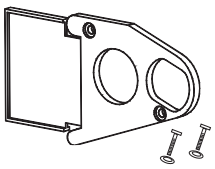
Spareparts Golvo 7000 ES/7007 ES

PART. NO	POS. NO	PRODUCT	UNIT	
20090003 20090004	3 4	Middle Beam G7 Middle Beam G77	pce pce	
20090046	124	Motor for base width adj. G7-77 (replacement 20090005)	pce	
20090038	33	Gear rack set	pair	
20090042 20090034 20090043	37 29 38	Frontwheel 50 mm Frontwheel 75 mm Frontwheel 100 mm	pce pce pce	
20090044 20090035 20090045	39 30 40	Rearwheel 75 mm Rearwheel 100 mm Rearwheel 125 mm	pce pce pce	
20090009 20090010	6 7	Leg Protector G7 Leg Protector G77	pair pair	
20090013	10	Armrest complete	pair	
20090014	11	Actuator	pce	
20090015	12	Emergency lowering device	pce	
20090016	13	Body/Handle set for emerg low device	pce	

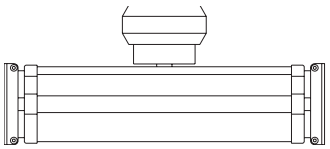
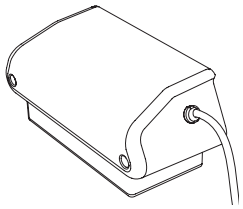
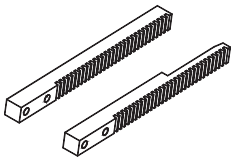
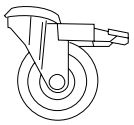
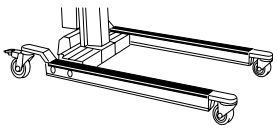
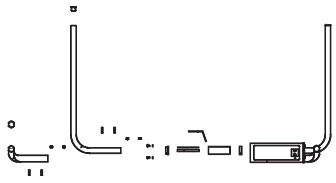
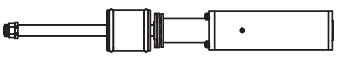
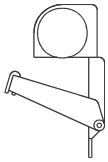
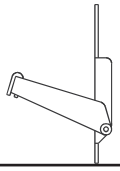
Spareparts Golvo 7000 ES/7007 ES

PART. NO	POS. NO	PRODUCT	UNIT	
31190008	79	Plastic housing	pce	
20090041	36	Spring magazine	pce	
20090018 20090019 20090048	14 15 185	Lift strap G7 Lift strap G77 Lift strap G77 fr o m serial no:7723630	pce pce pce	
20090020	16	Roll frame attachment G7-77	pce	
2006106	139	Battery box, incl. batteries	pce	
20090022	18	Control box G7-77	pce	
20090023	19	Attachment for control box	pce	
20090024	20	Handcontrol ES 6-button	pce	
20090025	21	Battery 2.9 Ah 12V	pair	
3156001	86	Slingbar Universal 450, stainless	pce	
31190018	87	Safety latch	pair	

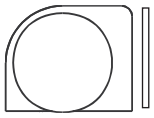
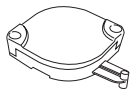
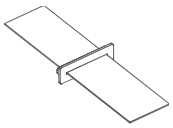
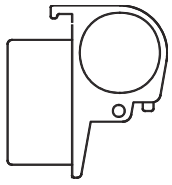
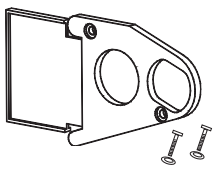
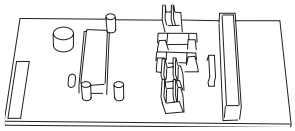
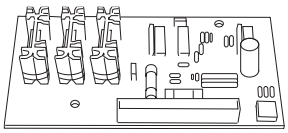
Spareparts Golvo 7000 ES/7007 ES

PART. NO	POS. NO	PRODUCT	UNIT	
20090026 20090027 20090028	22 23 24	Cable for charging, EU Cable for charging, UK Cable for charging, US	pce pce pce	
20090036	31	Front fork cover G7-77	pair	X 2
20090037	32	Rear fork cover G7-77	pair	X 2
20090039	34	End cover handle/armsupport	set	X 4
20090040	35	End cover armrest	pair	 X 2
21090001	160	Extension cable	pce	

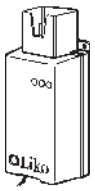
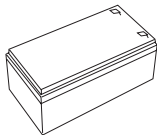
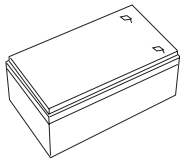
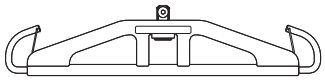
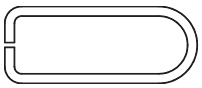
Reservdelslista Golvo 7000/7007, 7000 S/7007 S

PRODUKT NR	POS. NR	PRODUKT BESKRIVNING	ENHET	
20090003 20090004	3 4	Mellanbit G7 Mellanbit G77	st st	
20090046	124	Motorpaket komplett G7/G77 (ersätter 20090005)	st	
20090038	33	Kuggstångssats	sats	
20090042 20090034 20090043	37 29 38	Framhjul 50 mm Framhjul 75 mm Framhjul 100 mm	st st st	
20090044 20090035 20090045	39 30 40	Bakhjul 75 mm Bakhjul 100 mm Bakhjul 125 mm	st st st	
20090009 20090010	6 7	Benskydd G7 Benskydd G77	par par	
20090013	10	Armhållare, komplett	sats	
20090014 970000026	11 140	Ställdon G7-77/S/ES Ställdon G7-77 endast	st st	
20090015	12	Nödsänkning	st	
20090016	13	Stomme handtag	st	

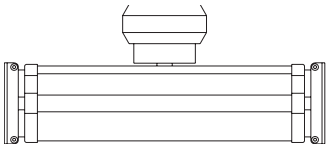
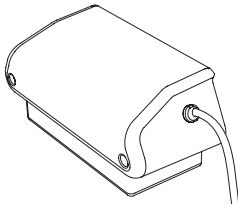
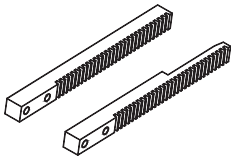
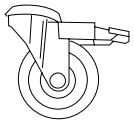
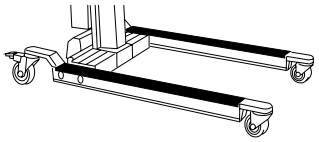
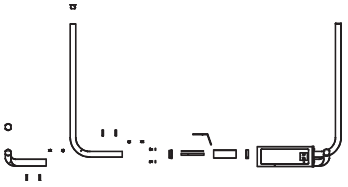
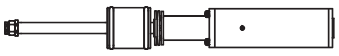
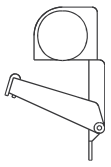
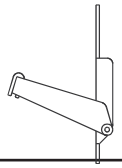
Reservdelslista Golvo 7000/7007, 7000 S/7007 S

PRODUKT NR	POS. NR	PRODUKT BESKRIVNING	ENHET	
31190008	79	Bandmagasin	st	
20090041	36	Fjäderkassett	st	
20090018 20090019	14 15	Lyftband G7 Lyftband G77	st st	
20090020	16	Rulländfäste G7/G77	st	
20090036	31	Framgaffelkåpa G7/G77	par	X 2
20090037	32	Bakgaffelkåpa G7/G77	par	X 2
20090039	34	Ändplugg handtag/armstöd	sats	X 4
20090040	35	Gavel armhållare	par	 X 2
950000129	150	Kretskort processor	st	
950000130	116	Kretskort tyristor	st	
3692112	117	Handkontroll 4-knapp	st	

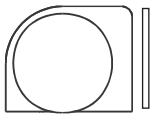
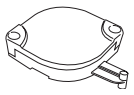
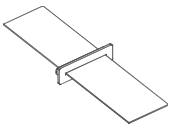
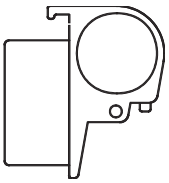
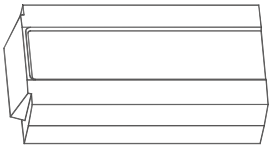
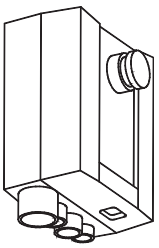
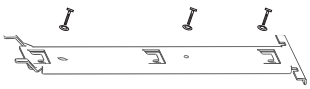
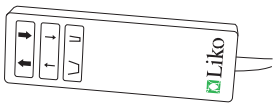
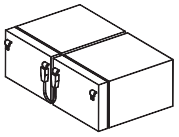
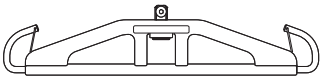
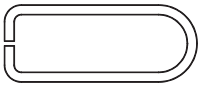
Reservdelslista Golvo 7000/7007, 7000 S/7007 S

PRODUKT NR	POS. NR	PRODUKT BESKRIVNING	ENHET	
3126101 3126102 3126103	118 119 120	Laddare väggmonterad, EU Laddare väggmonterad, UK Laddare väggmonterad, US	st st st	
950000146	149	Batteri 3,0Ah/12V G7-S	st	
950000134	121	Batteri 6,5Ah/12V G7-S/G7	st	
3156001	86	Lyftbygel Universal 450, rostfri	st	
31190018	87	Urkrokningsskydd	par	 X 2

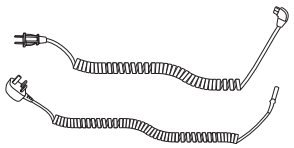
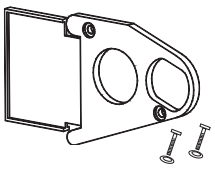
Reservdelslista Golvo 7000 ES/7007 ES

PRODUKT NR	POS. NR	PRODUKT BESKRIVNING	ENHET	
20090003 20090004	3 4	Mellanbit G7 Mellanbit G77	st st	
20090046	124	Motorpaket komplett G7/G77 (ersätter 20090005)	st	
20090038	33	Kuggstångssats	sats	
20090042 20090034 20090043	37 29 38	Framhjul 50 mm Framhjul 75 mm Framhjul 100 mm	st st st	
20090044 20090035 20090045	39 30 40	Bakhjul 75 mm Bakhjul 100 mm Bakhjul 125 mm	st st st	
20090009 20090010	6 7	Benskydd G7 Benskydd G77	par par	
20090013	10	Armhållare, komplett	sats	
20090014	11	Ställdon	st	
20090015	12	Nödsänkning	st	
20090016	13	Stomme handtag	st	

Reservdelslista Golvo 7000 ES/7007 ES

PRODUKT NR	POS. NR	PRODUKT BESKRIVNING	ENHET	
31190008	79	Bandmagasin	st	
20090041	36	Fjäderkassett	st	
20090018 20090019 20090048	14 15 185	Lyftband G7 Lyftband G77 Lyftband G77 fr o m serienr.7723630	st st st	
20090020	16	Rulländfäste G7/G77	st	
2006106	139	Batteribox inkl. batterier	st	
20090022	18	Kontrollbox G7/G77	st	
20090023	19	Monteringsbeslag kontrollbox	st	
20090024	20	Handkontroll ES 6-knapp	st	
20090025	21	Batteri 2,9Ah/12V	par	
3156001	86	Lyftbygel Universal 450, rostfri	st	
31190018	87	Urkrokningsskydd	par	 X 2

Reservdelslista Golvo 7000 ES/7007 ES

PRODUKT NR	POS. NR	PRODUKT BESKRIVNING	ENHET	
20090026 20090027 20090028	22 23 24	Laddningskabel, EU Laddningskabel, UK Laddningskabel, US	st st st	
20090036	31	Framgaffelkåpa G7/G77	par	X 2
20090037	32	Bakgaffelkåpa G7/G77	par	X 2
20090039	34	Ändplugg handtag/armstöd	sats	X 4
20090040	35	Gavel armhållare	par	 X 2
21090001	160	Skarvkabel till laddkabel	st	

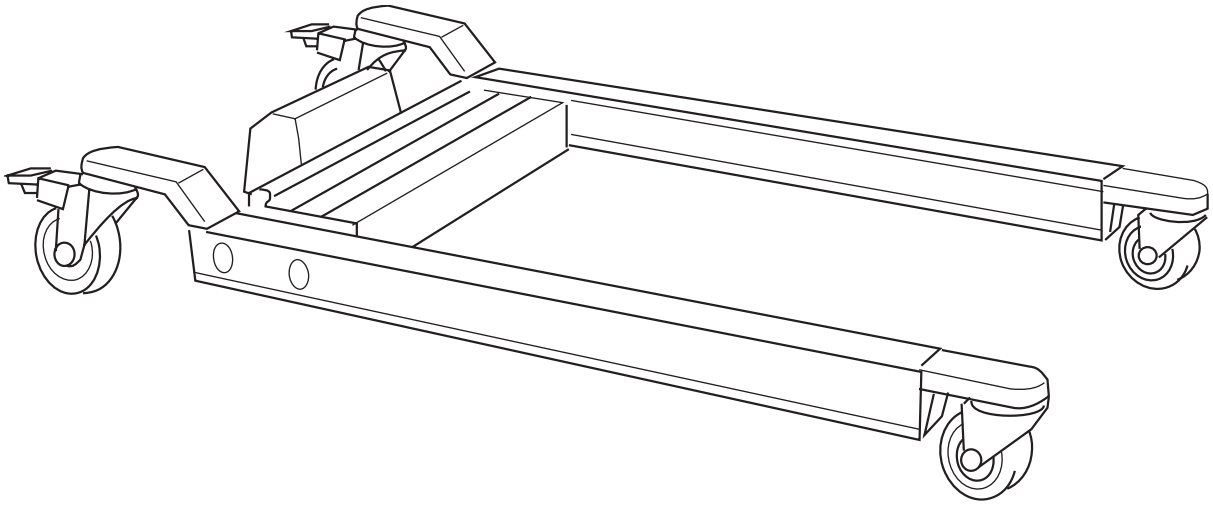
Liko

Spareparts Specification

Base - 7007

Part. no. 20090002

Serial no.<7722427..... Version..... Release .....



All details according to drawing no. R 4911138-d

Details	Detail pos.	Detail no.	Unit
Wheelset 75/100 mm Golvo		2004303	1
Rear wheel cover	45	900000061	2
Front wheel cover	46	900000062	2
Plastic cover IKPT 2825S	50	900000066	4
Decal ”Liko”		900000245	2
Cover strip 7007	53	900000701	2
Rear fork	38	901011281	2
Front fork	39	901011282	2
Locking Nut M10 Nyloc	43	930000010	2
Nut M12 Nyloc	42	930000056	2

Details	Detail pos.	Detail no.	Unit
P6SS M8*45 Ezloc	44	930000060	4
Screw M6S M12*35	48	930000064	2
Screw M6S M10*35	49	930000065	2
Screw M6S M10*90 Ezloc	51	930000067	4
Washer SRKB 11*28*2	52	930000068	4
Tape-cushion		930000500	8
Base leg Golvo 7007S R	37	901011212H	1
Base leg Golvo 7007S L	37	901011212V	1
Middle beam 7007	36	20090004	1

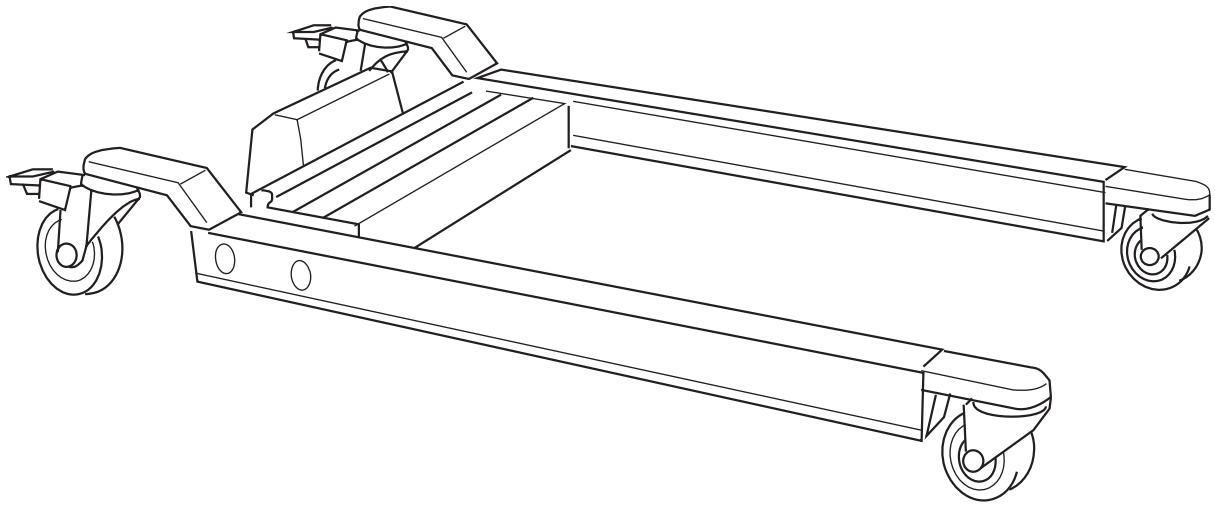
Liko

Spareparts Specification

Base - 7007 ES

Part. no. 20090002

Serial no.>7722428..... Version..... Release .....



All details according to drawing no. R 4911138-d

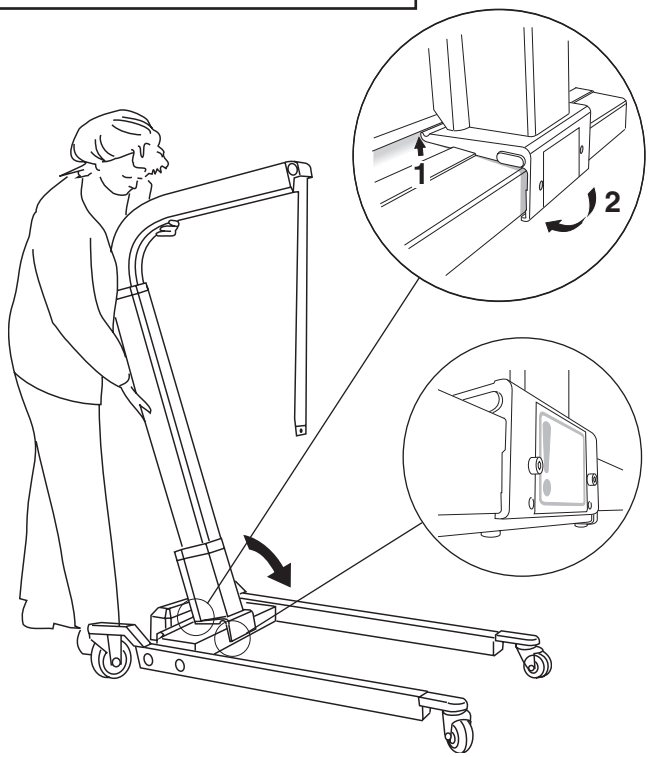
Details	Detail pos.	Detail no.	Unit
Wheelset 75/100 mm Golvo		2004303	1
Rear wheel cover	45	900000061	2
Front wheel cover	46	900000062	2
Plastic cover IKPT 2825S	50	900000066	4
Decal ”Liko”		900000245	2
Cover strip 7007	53	900000701	2
Rear fork	38	901011281	2
Front forkl	39	901011282	2
Locking Nut M10 Nyloc	43	930000010	2
Nut M12 Nyloc	42	930000056	2

Details	Detail pos.	Detail no.	Unit
P6SS M8*45 Ezloc	44	930000060	4
Screw M6S M12*35	48	930000064	2
Screw M6S M10*35	49	930000065	2
Screw M6S M10*90 Ezloc	51	930000067	4
Washer SRKB 11*28*2	52	930000068	4
Tape-cushion		930000500	8
Base leg Golvo 7007S R	37	901011212H	1
Base leg Golvo 7007S L	37	901011212V	1
Middle beam 7007	36	20090004	1

Base - 7007 ES

△ *Note!* Lock the wheels before you begin assembling the lift.

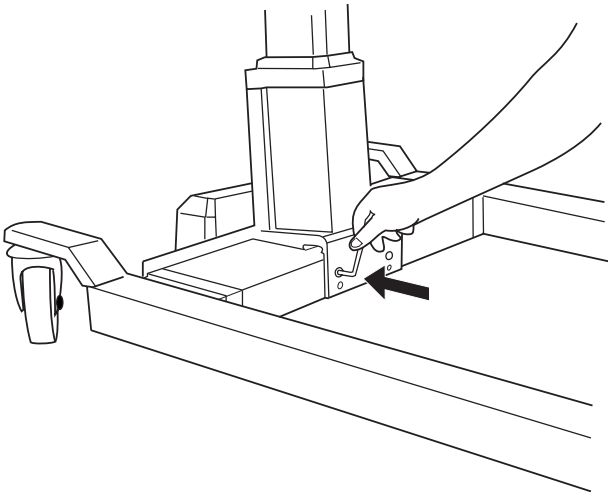
1.



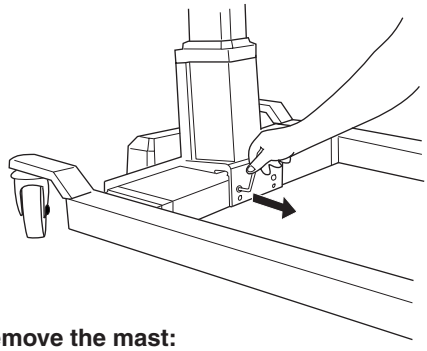
Start by unscrewing the transport safety plate (metal plate) at the lower edge of the mast. Save the safety plate and screws for later use if needed.

1. Place the mast on the center beam of the base, between the two black plastic caps.
2. Push the mast forward, as shown in the illustration above, until it snaps onto the center beam.

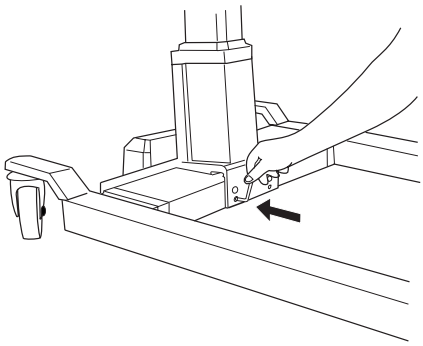
2.



⚠ IMPORTANT!
Secure the mast with two M6 screws (enclosed) in the upper holes on the mast.
Note! Do not place any screws in the lower holes!



Remove the mast:
1. Remove the both safety screws from the upper holes on the mast.



2 Screw the safety screws in the lower holes on the mast. This releases the mast from the base and it can now be taken down.

△ When the mast is free from the base it must be supported so it does not fall.

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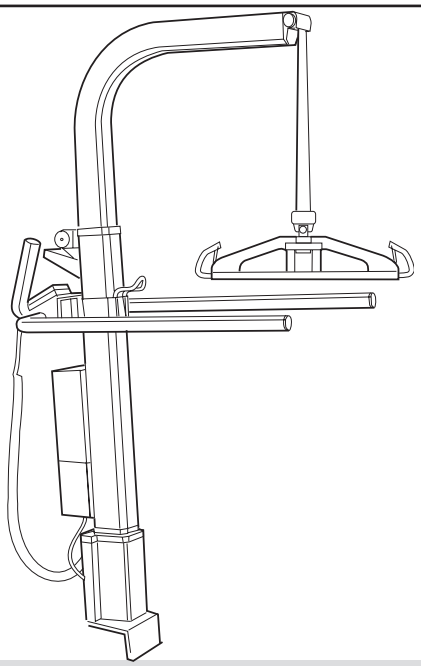
Spareparts Specification

Mast - 7000

Part. no. 20090011

Serial no..... Version..... Release .....



All details according to drawing no. R 4911140-c

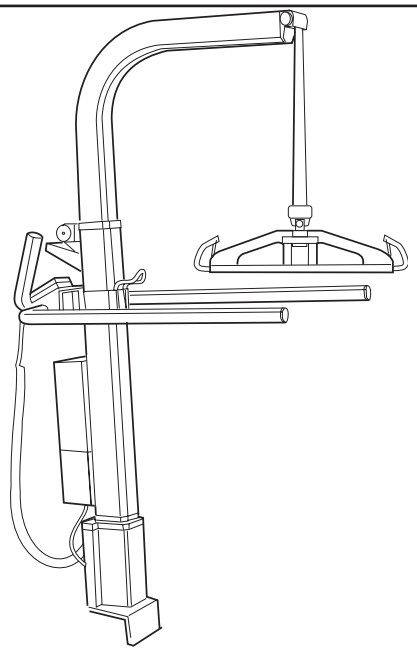
Details	Detail pos.	Detail no.	Unit
Batterybox		20090021	1
Washer TBRB 6,4*12*3	124	930000154	
Emergency lowering device	70	20090015	1
Arm attachment	75	931891114	
Attachment controlbox		900000001	1
Motorcable Linak g G7	79	950000020	1
Plastic Bushing		900000088	1
Controlbox Golvo		20090022	1
Cover mast attachment	71	900000110	1
Actuator mod. Liko	69	20090014	1
Distance Emerg.	78	900000112	1
EB-Cover (alu.)	68	951911125	1
Pressure spring 10*10	92	900000121	1
Slide D=10,4 L=10,4	93	960000122	1
Cap IPO 12*32*1,5S	115	900000150	2
Handcontrol ES / Golvo		950000047	1
Lift strap Golvo 7000S		901311904-1	1
Decal serialno. Golvo 7000S		900000513	1
Frictionplate 3,0 mm	77	901486126-1	2
Connection contact OK300		900000515	0,17
Frictionplate 3,2 mm	77	901486126-2	2
Tube Motorcable		900000516	0,25
Frictionplate 3,4 mm	77	901486126-3	2
Trash Decal can - Pb		900000553	1
Mast Decal 7000	65	90191104A	1
Mast attachment 1 L=204 mm	66	900191106	1
Lift arm plastic cover	55	900000097	1
Distance profile L=194 mm	80	901011241	1
Shaft 10*74	62	900000100	1
Mast attachment 2	67	901901118	1
Decal Golvo 7000S		900000500	2
Brace L=65 mm	73	901901123	1
Decal sling size		900000506	1
Distance profile L=30 mm	76	901901143	1

Details	Detail pos.	Detail no.	Unit
Roll D=32mm	61	901486132	1
Motor attachment plate	72	901911136	1
Nylon bearing 10*15*12	60	920000048	2
MC6S M5*8 low	930000001	4	Ball bea-
ring 6000-2Z	59	920000098	2
Locking Nut M10 Nyloc	87	930000010	2
Screw MC6S M5*12	125	930000063	1
Screw K6S M5*8 Ezloc	91	930000081	1
Screw K6S M5*8 Ezloc	57	930000081	1
Locking Nut M8 Nyloc	85	930000091	10
Screw MFX M3*10	117	930000103	1
Screw MC6S M8*22 Low	86	930000093	6
M5 Nyloc	126	930000104	1
Slingbar bracket	74	930000111	1
Sliding strip PTEF	63	900000101-1	1
Screw M6S M8*30	121	930000113	2
Cover strip	64	900000102-1	1
M6S M10*220	82	930000114	2
Frictionplate 3,0 mm	56	901486126-1	2
MC6S M8*30 Ezloc	83	930000115	2
Frictionplate 3,2 mm	56	901486126-2	2
Screw M6S M6*110	84	930000116	3
Frictionplate 3,4 mm	56	901486126-3	1
Locking Nut M6 Nyloc	118	930000117	3
Inner mast 7000	54	901891102-1	1
MC6S M5*10 Low Ezloc	88	930000118	4
Roll frame attachment	58	90191301H	1
Plastic cage D=8 mm	89	930000119	2
Roll frame attachment	58	90191301V	1
Screw MC6S M8*10 Ezloc	90	930000120	2
Decal ETL Golvo		900000336	1
MC6S M8*18 Low	120	930000153	2
Top cover IKPT 15 12 G		900000292	1
Holder for charging cable		900000324	1

Mast - 7007

Part. no. 20090012

Serial no..... Version..... Release .....



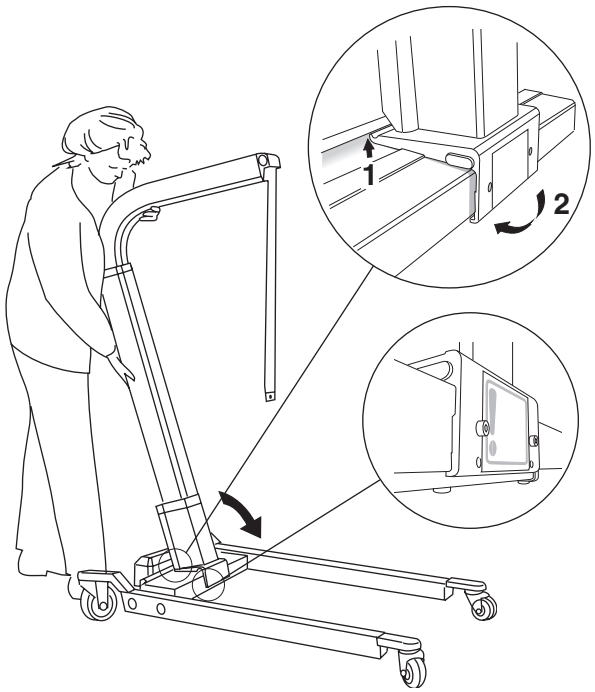
All details according to drawing no. R 4911140-c

Details	Detail pos.	Detail no.	Unit
Batterybox	21	950000044	1
Screw MC6S M8*18 Low	120	930000153	2
Emergency lowering device	70	20090015	1
Washer TBRB 6,4*12*3	124	930000154	3
Attachment controlbox		900000001	1
Arm attachment	75	931891114	1
Plastic Bushing		900000088	1
Motorcable Linak g G7	79	950000020	1
Cover mast attachment	71	900000110	1
Controlbox Golvo		950000027	1
Distance Emerg.	78	900000112	1
Actuator mod. Liko	69	20090014	1
Pressure spring 10*10	92	900000121	1
EB-cover(alu.)	68	951911125	1
Cap IPO 12*32*1,5S	115	900000150	2
Glid D=10,4 L=10,4	93	960000122	1
Handcontrol ES/ Golvo		3694112ES	1
Connection contact OK300		900000515	0,2
Lift strap Golvo 7007S		901311904-2	1
Tube motorcableL=250mm		900000516	0,3
Frictionplate 3,0 mm	77	901486126-1	2
Decal serialno. Golvo 7007 ES		900000522	1
Frictionplate 3,2 mm	77	901486126-2	2
Trash Decal can - Pb		900000553	1
Frictionplate 3,4 mm	77	901486126-3	2
Mast attachment 1 L=204 mm	66	900191106	1
Mast Decal 7007	65	90191104B	1
Distance profilel L=194 mm	80	901011241	1
Lift arm plastic cover	55	900000097	1
Mast attachment 2	67	901901118	1
Shaft 10*74	62	900000100	1
Brace L=65 mm	73	901901123	1
Decal sling size		900000506	1
Distance profile L=30 mm	76	901901143	1

Details	Detail pos.	Detail no.	Unit
Decal Golvo 7007S		900000519	2
Motor attachment plate	72	901911136	1
Roll D=32mm	61	901486132	1
MC6S M5*8 low		930000001	4
Nylon bearing 10*15*12	60	920000048	2
Locking Nut M10 Nyloc	87	930000010	2
Ball bearing 6000-2Z	59	920000098	2
K6S M5*8 Ezloc	91	930000081	1
Screw MC6S M5*12	125	930000063	1
Locking Nut M8 Nyloc	85	930000091	10
Screw K6S M5*8 Ezloc	57	930000081	1
Screw MC6S M8*22 low	86	930000093	6
Screw MFX M3*10	117	930000103	1
Slingbar bracket	74	930000111	1
M5 Nyloc	126	930000104	1
Screw M6S M8*30	121	930000113	2
Sliding strip PTEF	63	900000101-2	1
M6S M10*220	82	930000114	2
Cover strip	64	900000102-2	1
MC6S M8*30 Ezloc	83	930000115	2
Frictionplate 3,0 mm	56	901486126-1	2
Screw M6S M6*110	84	930000116	3
Frictionplate 3,2 mm	56	901486126-2	2
Locking nut M6 Nyloc	118	930000117	3
Frictionplate 3,4 mm	56	901486126-3	1
MC6S M5*10 Low Ezloc	88	930000118	4
Inner mast 7007	54	901891102-2	1
Plastic cage D=8 mm	89	930000119	2
Roll frame attachment	58	90191301H	1
Screw MC6S M8*10 Ezloc	90	930000120	2
Roll frame attachment	58	90191301V	1
Decal ETL Golvo		900000336	1
Top cover IKPT 15 12 G		900000292	1
Holder for charging cable		900000324	1

Mast

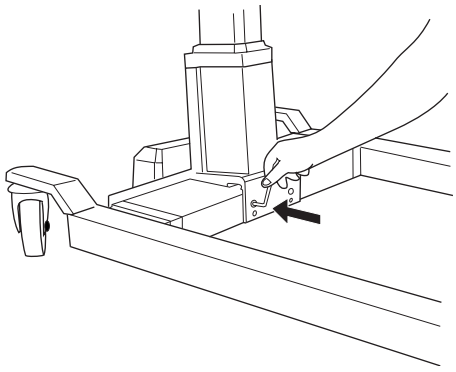
1.



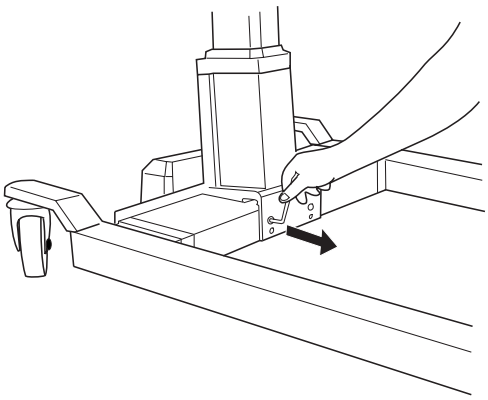
Start by unscrewing the transport safety plate (metal plate) at the lower edge of the mast. Save the safety plate and screws for later use if needed.

1) Place the mast on the center beam of the base, between the two black plastic caps.
2) Push the mast forward as shown in the illustration above, until it snaps onto the center beam.

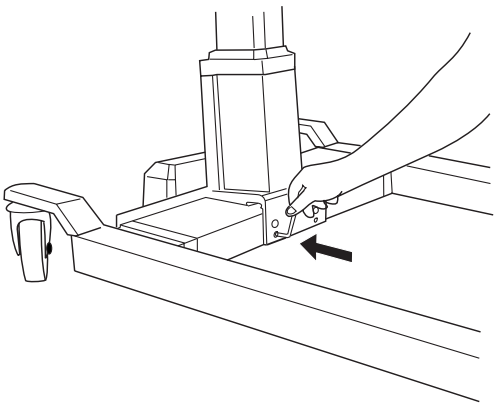
2.



△ IMPORTANT!
Secure the mast with two M6 screws (enclosed) in the upper holes on the mast.
Note! Do not place any screws in the lower holes!



Remove the mast:
1. Remove the both safety screws from the upper holes on the mast.



2. Screw the safety screws in the lower holes on the mast. This releases the mast from the base and it can now be taken down.

△ When the mast is free from the base it must be supported so it does not fall.

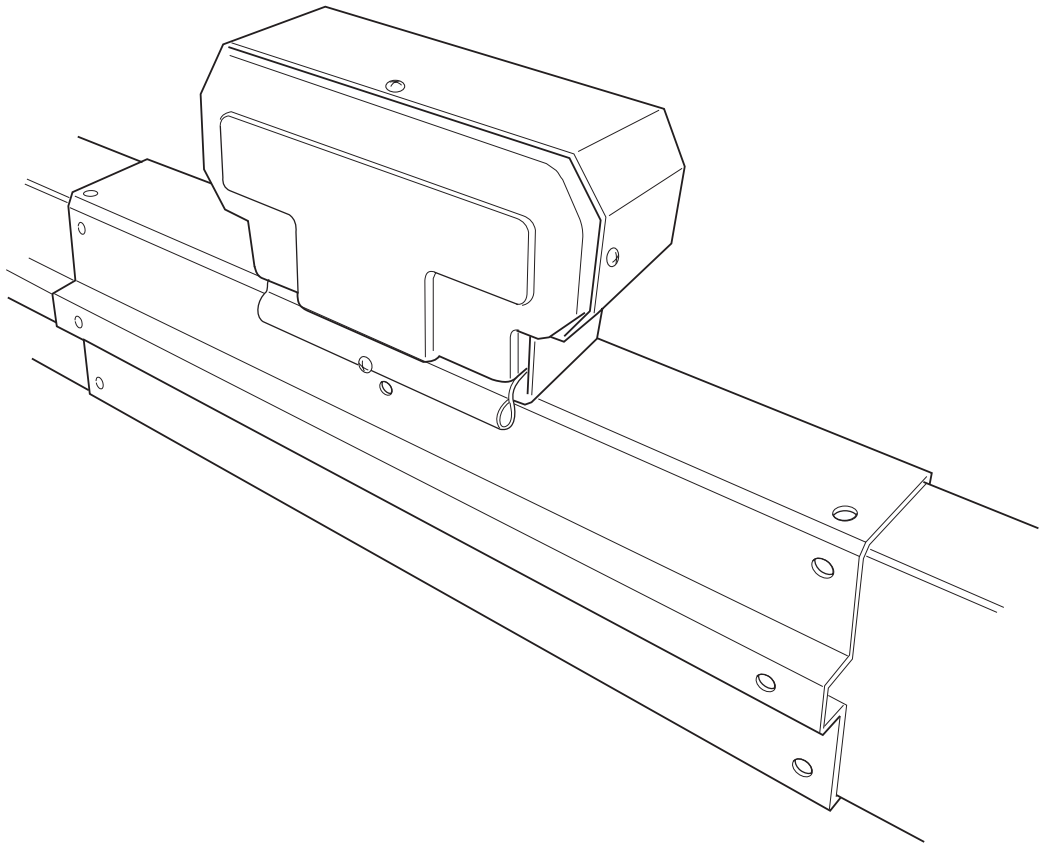
Liko

Spareparts Specification

Middle Beam- 7000 ES

Part. no. 20090003

Serial no. < 7021493 Version..... Release .....



All details according to drawing no. R 4911135-2

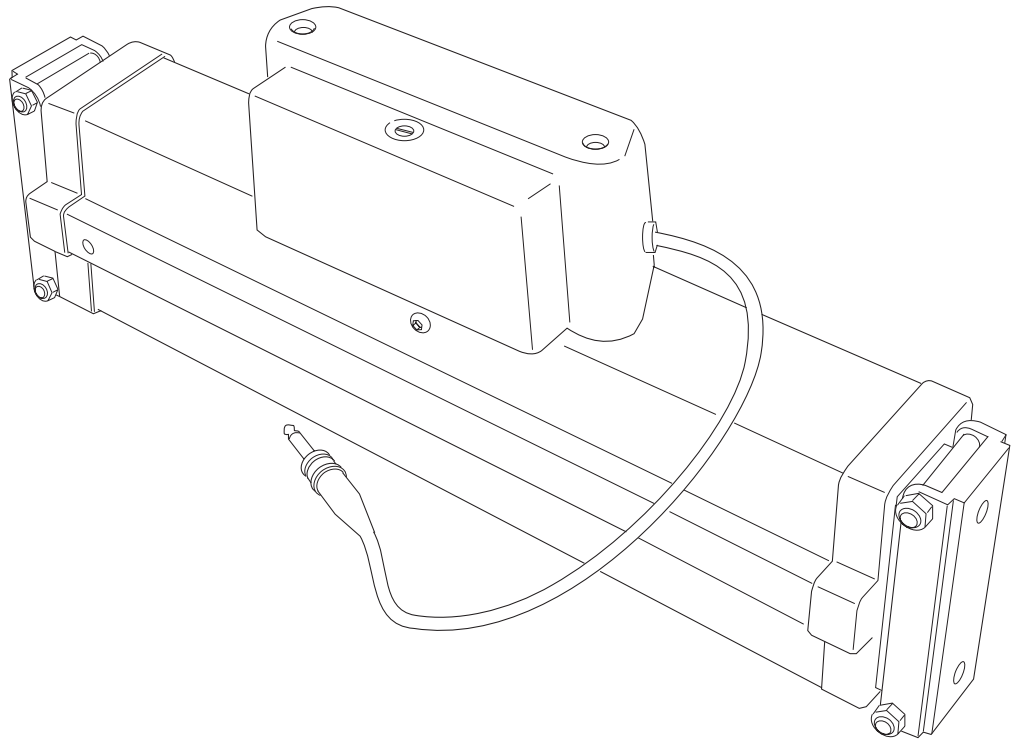
Details	Detail pos.	Detail no.	Unit
Plastic Bushing	29	900000088	1
Sign decal		900000502	1
Measurement		900000504	1
Pedal slip joint	14	901901127	2
Flanged slide bearing 12*15*5	17	920000075	2
Flanged slide bearing 10*12*6	24	920000082	3
Nylon bearing15*18*5	122	921921150	1
Clamp ring SGA 12	16	930000074	2
Woodruff WK 3*13	18	930000076	2
Screw K6S M6*10 Ezloc	21	930000079	1
MRX M4*10	25	930000083	1
M4 Nyloc	128	930000084	1
Woodruff key 6*28*2	26	930000085	1
Washer PVC 10*16*2	27	930000086	1
Screw K6S M8*60	31	930000090	4
Locking Nut M8 Nyloc	32	930000091	9
Screw K6S M8*16	33	930000092	1
Screw MC6S M8*22 Low	34	930000093	4
Gearwheel 14 M2	9	961111352	1
Beam plastic cover R	15	900000730H	1
Beam plastic cover L	15	900000730V	1
Cover profil	4	901011242-1	2
Middle beam 7000	1	9011119DA	1
Gearwheel 7000	2	9011120BA	2
Frictionplate 3,0 mm	35	901486126-1	8
Frictionplate 3,2 mm	35	901486126-2	8
Frictionplate 3,4 mm	35	901486126-3	8

Details	Detail pos.	Detail no.	Unit
Gear rack	11	90181701-1	1
Gear rack	130	90181701-2	1
Slipper	10	90181701-3	1
Base motor hood	13	900000072	1
Baser motor hood, lower	127	900000094	1
Screw K6S M5*8 Ezloc	23	930000081	2
Plastic Bushing	29	900000088	1
Woodruff key 6*28*2	26	930000085	1
Washer PVC 10*16*2	27	930000086	2
Motor attachment 2	3	90101130B	1
Screw M6S M6*20	28	930000087	3
Franged slide bearing	17	920000075	2
RXS B6*13	129	930000096	3
Plastic bearing	8	921911134	1
BRB 5,3*10*1		930000164	1
Nylon bearing 15*18*5	122	921921150	1
Support ring		930000400	1
Camp ring SGA 12	16	930000074	2
Shaft 12*177	5	931911133	1
Woodruff WK 3*13	18	930000076	4
Motor SWMF	6	940000071	1
Screw MRX M4*12	19	930000077	1
Screw MRX M4*5	22	930000080	1
Motorcable Linak u-rede	30	950000031	1
Damper 12*140	20	930000078	1
Gearwheel 60 M1	7	961111351	1
Gearwheel 20 M1	12	961111353	1

Middle Beam - 7000 ES

Part. no. 20090003

Serial no. > 7021494 Version..... Release .....



All details according to drawing no. R 4991101-3/ R 4911135-2

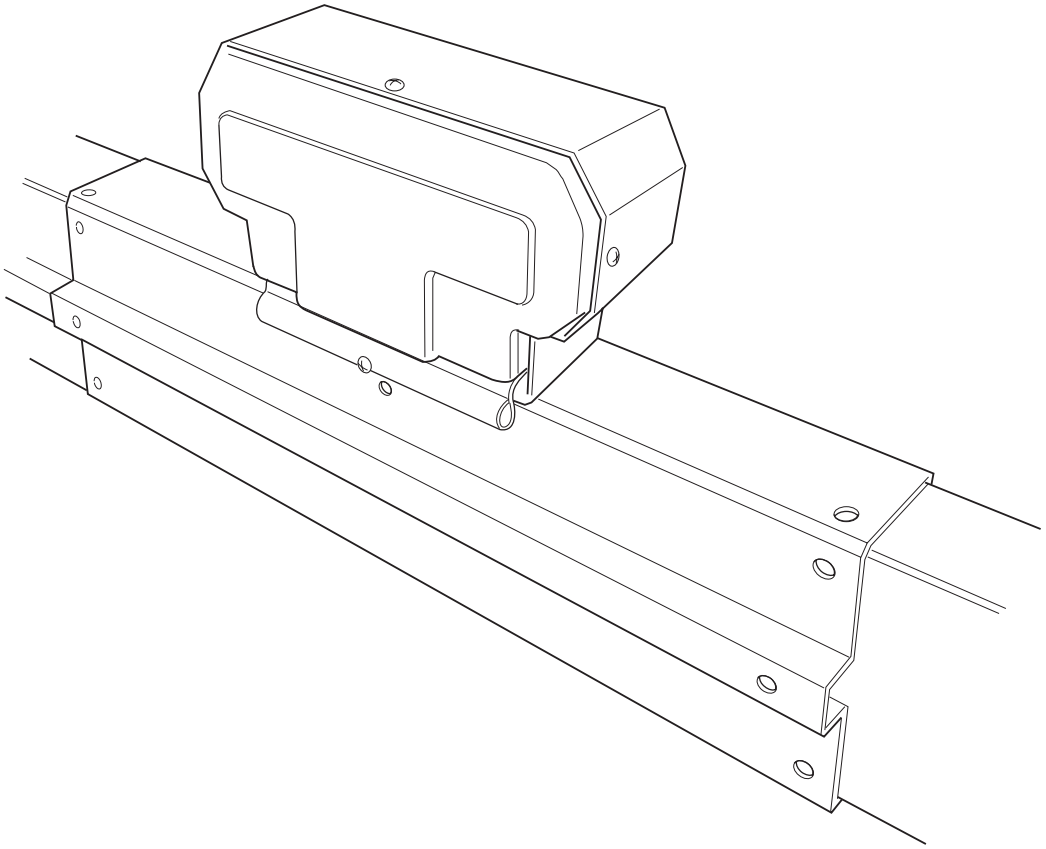
Details	Detail pos.	Detail no.	Unit
Plastic Bushing	20	900000088	1
Sign decal		900000502	1
Measurement		900000504	1
Pedal slip joint	14	901901127	2
Flanged slide bearing 12*15*5	3	920000075	2
Flanged slide bearing 10*12*6	4	920000082	3
Nylon bearing 15*18*5	5	921921150	1
Clamp ring SGA 12	17	930000074	2
Woodruff WK 3*13	9	930000076	2
Screw K6S M6*10 Ezloc	21	930000079	1
MRX M4*10	25	930000083	1
M4 Nyloc	128	930000084	1
Woodruff key 6*28*2	21	930000085	1
Washer PVC 10*16*2	7	930000086	1
Screw K6S M8*60	31	930000090	4
Locking Nut M8 Nyloc	32	930000091	9
Screw K6S M8*16	33	930000092	1
Screw MC6S M8*22 Low	34	930000093	4
BRB 5,3*10*1		930000164	2
Gearwheel 14 M2	9	961111352	1
Beam plastic cover Right	15	900000730H	1
Beam plastic cover Left	15	900000730V	1
Cover profil	4	901011242-1	2
Middle beam 7000	1	9011119DA	1

Details	Detail pos.	Detail no.	Unit
Gearwheel 7000	2	9011120BA	2
Frictionplate 3,0 mm	35	901486126-1	8
Frictionplate 3,2 mm	35	901486126-2	8
Frictionplate 3,4 mm	35	901486126-3	8
Gear rack	11	90181701-1	1
Gear rack	130	90181701-2	1
Slipper	10	90181701-3	1
Damper BumpOn black		900000159	2
Motor attachment 3 G7-77	1	901811972	1
Motor ITT S404156 G7-77	2	940000004	1
Gearwheel 20M1 mod.2 G7-77	6	901113543	1
Gearwheel 60M1 mod.2 G7-77	12	901113541	1
Shaft 12x181 G7-77	8	901111332	1
Bearing u-carriage mod.2 G7-77	11	901111342	1
Middle axle 10x46,7 G7-77	13	901971198	1
Stepped spur gear 20/44M1 G7-77	14	901981199	1
Screw MC6S TT M5x12	15	930000234	3
Clamp ring SGA 10	16	930000250	2
Motor hood u-carriage G7-77	18	900000390	1
Screw MRX M5x90	19	930000240	2
Motorcable G7-77	22	950000054	1
Damper BumpOn SJ5018	23	900000391	4
Flat key 3x3x25 SMS2306	24	930000243	1
Spacer PS 12x18x1	25	930000251	1

Middle Beam - 7007 ES

Part. no. 20090004

Serial no. < 772427 Version..... Release .....



All details according to drawing no. R 4911135-2

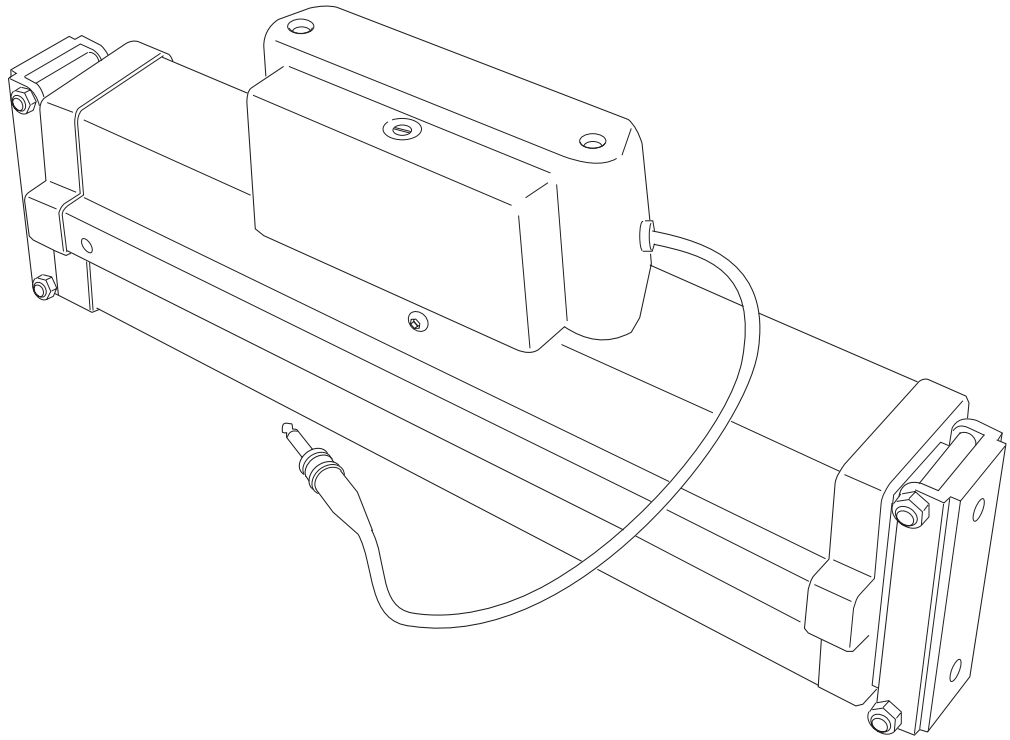
Details	Detail pos.	Detail no.	Unit
Base motor hood	13	900000072	1
Screw K6S M8*16	33	930000092	1
Plastic Bushing	29	900000088	1
Screw MC6S M8*22 Low	34	930000093	4
Base motor hood, lower	127	900000094	1
Screw RXS B6*13	129	930000096	3
Sign decal		900000502	1
BRB 5,3*10*1		930000164	1
Measurement		900000521	1
Support ring SS 13*19*1,5		930000400	1
Pedal slip joint	14	901901127	2
Shaft 12*177	5	931911133	1
Flanged slide bearing 12*15*5	17	920000075	2
Flanged slide bearing 10*12*6	24	920000082	1
Motor SWMF	6	940000071	1
Motorcable Linak u-carriage grey	30	950000031	1
Plastic bearing	8	921911134	1
Nylon bearing 5*18*5	122	921921150	1
Gearwheel 60 M1	7	961111351	1
Gearwheel 14 M2	9	961111352	1
Gearwheel 20 M1	12	961111353	1
Clamp ring SGA 12	16	930000074	2
Woodruff WK 3*13	18	930000076	4
Beam plastic cover Right	15	900000730H	1

Details	Detail pos.	Detail no.	Unit
Beam plastic cover Left	15	900000730V	1
Screw MRX M4*12	19	930000077	1
Damper 12*140	20	930000078	1
Cover profil 7000	4	901011242-1	2
Screw K6S M6*10 Ezloc	21	930000079	1
Screw K6S M5*8 Ezloc	23	930000081	2
Motor attachment 2	3	90101130B	1
Screw MRX M4*5	22	930000080	1
MRX M4*10	25	930000083	1
Middle Beam 7007	1	9011119DB	1
Gearwheel 7007	2	9011120BB	2
Frictionplate 3,0 mm	35	901486126-1	8
Frictionplate 3,2 mm	35	901486126-2	8
Frictionplate 3,4 mm	35	901486126-3	8
M4 Nyloc	128	930000084	1
Woodruff key 6*28*2	26	930000085	1
Washer PVC 10*16*2	27	930000086	2
Gear rack	11	90181701-1	1
Gear rack	130	90181701-2	1
Screw M6S M6*20	28	930000087	3
Screw K6S M8*60	31	930000090	4
Slipper	10	90181701-3	1
Locking Nut M8 Nyloc	32	930000091	9
Damper BumpOn black		900000159	2

Middle Beam - 7007 ES

Part. no. 20090004

Serial no. > 7722428 Version..... Release .....



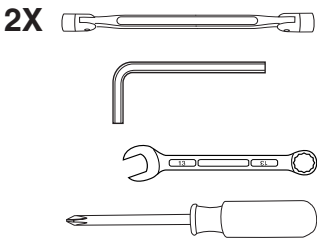
All details according to drawing no. R 4991101-3/ R 4911135-2

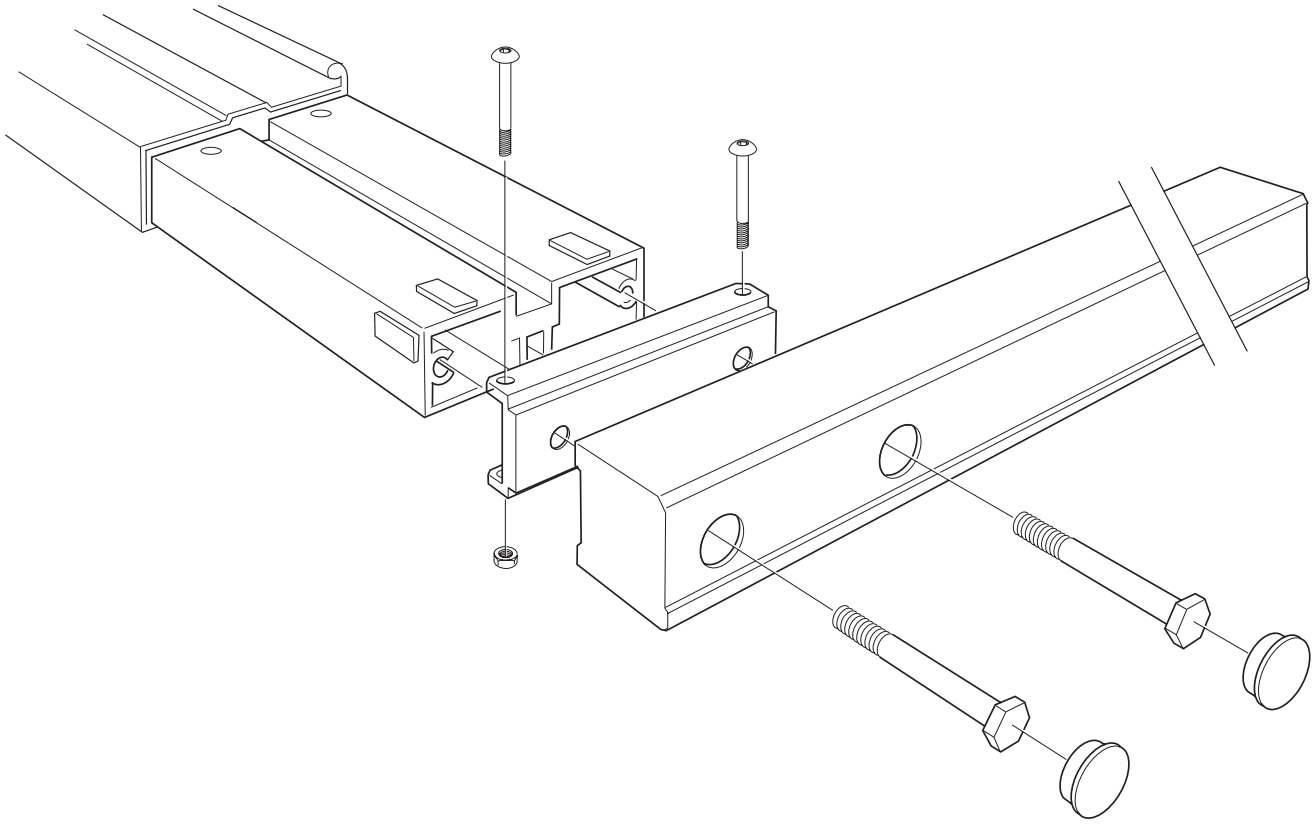
Details	Detail pos.	Detail no.	Unit
Plastic Bushing	20	900000088	1
Damper BumpOn black		900000159	2
Motor hood u-carriage G7-77	18	900000390	1
Damper BumpOn SJ5018	23	900000391	4
Sign decal		900000502	1
Measurement		900000521	1
Shaft 12x181 G7-77	8	901111332	1
Bearing u-carriage mod.2 G7-77	11	901111342	1
Gearwheel 60M1 mod.2 G7-77	12	901113541	1
Gearwheel 20M1 mod.2 G7-77	6	901113543	1
Motor attachment 3 G7-77	1	901811972	1
Pedal slip joint	14	901901127	2
Middle axle 10x46,7 G7-77	13	901971198	1
Stepped spur gear 20/44M1 G7-77	14	901981199	1
Flanged slide bearing 12*15*5	3	920000075	2
Flanged slide bearing 10*12*6	4	920000082	3
Nylon bearing 15*18*5	5	921921150	1
Clamp ring SGA 12	17	930000074	2
Woodruff WK 3*13	9	930000076	2
Screw K6S M6*10 Ezloc	21	930000079	1
MRX M4*10	25	930000083	1
M4 Nyloc	128	930000084	1
Woodruff 6*28*2	21	930000085	1
Washer PVC-bricka 10*16*2	7	930000086	1
Screw K6S M8*60	31	930000090	4

Details	Detail pos.	Detail no.	Unit
Locking Nut M8 Nyloc	32	930000091	9
Screw K6S M8*16	33	930000092	1
Screw MC6S M8*22 low	34	930000093	4
BRB 5,3*10*1		930000164	2
Screw MC6S TT M5x12	15	930000234	3
Screw MRX M5x90	19	930000240	2
Flat key 3x3x25 SMS2306	24	930000243	1
Clamp ring SGA 10	16	930000250	2
Spacer PS 12x18x1	25	930000251	1
Motor ITT S404156 G7-77	2	940000004	1
Motorcable u-carriage G7-77	22	950000054	1
Gearwheel 14 M2	10	961111352	1
Label 20090004		900000455	1
Beam plastic cover Right	15	900000730H	1
Beam plastic cover Left	15	900000730V	1
Cover profil 7007	4	901011242-2	2
Middle Beam 7007	1	9011119DB	1
Gearwheel 7007	2	9011120BB	2
Frictionplate 3,0 mm	35	901486126-1	8
Frictionplate 3,2 mm	35	901486126-2	8
Frictionplate 3,4 mm	35	901486126-3	8
Gear rack	11	90181701-1	1
Gear rack	130	90181701-2	1
Slipper	10	90181701-3	1

Middle Beam

Tools required:

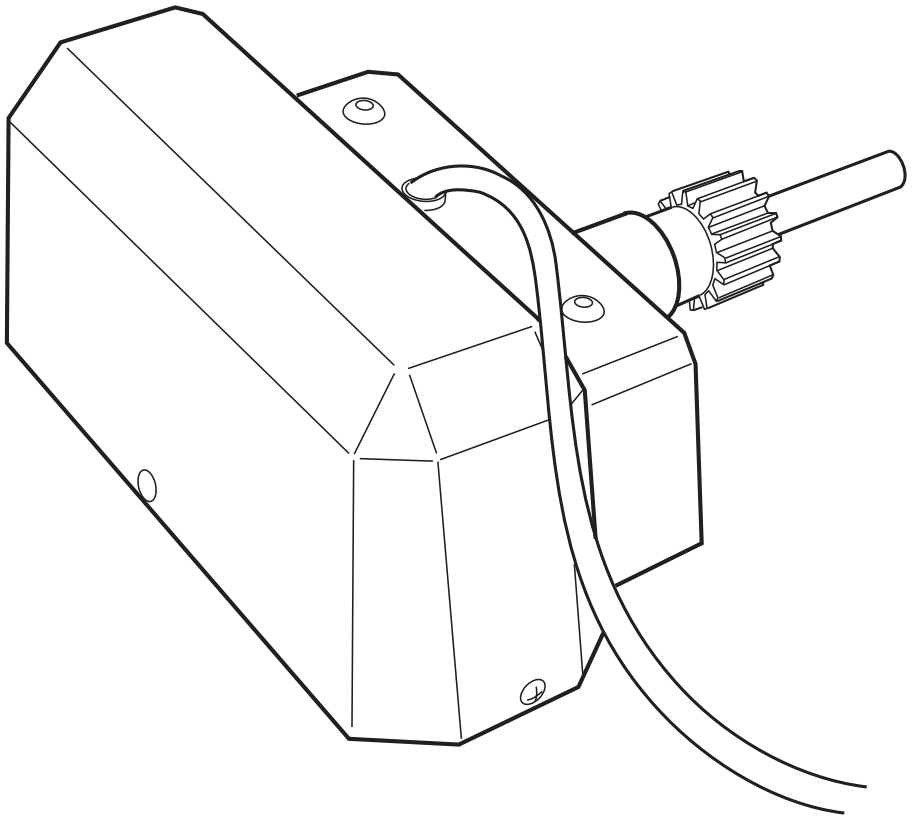




Motorbase

Part. no. 20090005

Serial no. < 7021493/772427 Version..... Release .....



All details according to drawing no. R 4911135-2

Details	Detail pos.	Detail no.	Unit
Base motor hood	13	900000072	1
Base motor hood, lower	127	900000094	1
K6S M5*8 Ezloc	23	930000081	2
Plastic Bushing	29	900000088	1
Woodruf 6*28*2	26	930000085	1
PVC-washer 10*16*2	27	930000086	2
Motor attachment 2	3	90101130B	1
Screw M6S M6*20	28	930000087	3
Flanged slide bearing	17	920000075	2
RXS B6*13	129	930000096	3
Plastic bearing	8	921911134	1
BRB 5,3*10*1		930000164	1
Nylon bearing 15*18*5	122	921921150	1

Details	Detail pos.	Detail no.	Unit
Support ring SS 13*19*1,5		930000400	1
Clamp ring SGA 12	16	930000074	2
Shaft 12*177	5	931911133	1
Woodruf WK 3*13	18	930000076	4
Motor SWMF	6	940000071	1
Screw MRX M4*12	19	930000077	1
Screw MRX M4*5	22	930000080	1
Motorcable Linak rede	30	950000031	1
Damper 12*140	20	930000078	1
Gear Wheel 60 M1	7	961111351	1
Gear Wheel 14 M2	9	961111352	1
Gear Wheel 20 M1	12	961111353	1

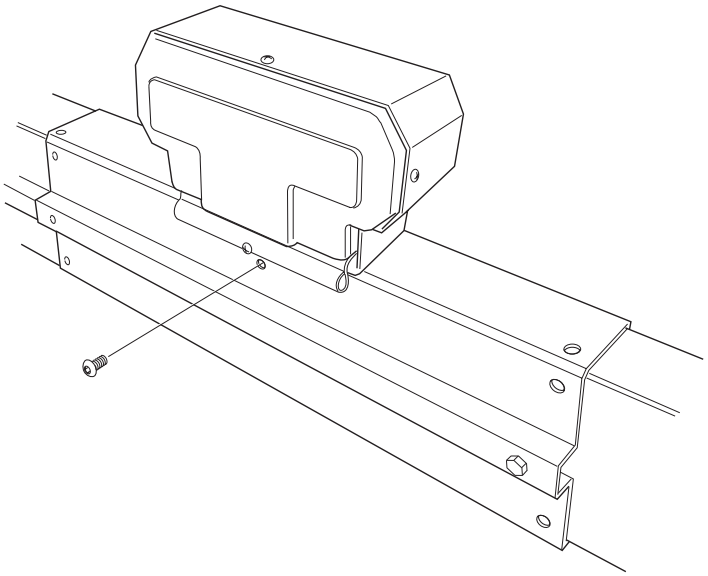
Motorbase

Part. no. 20090005

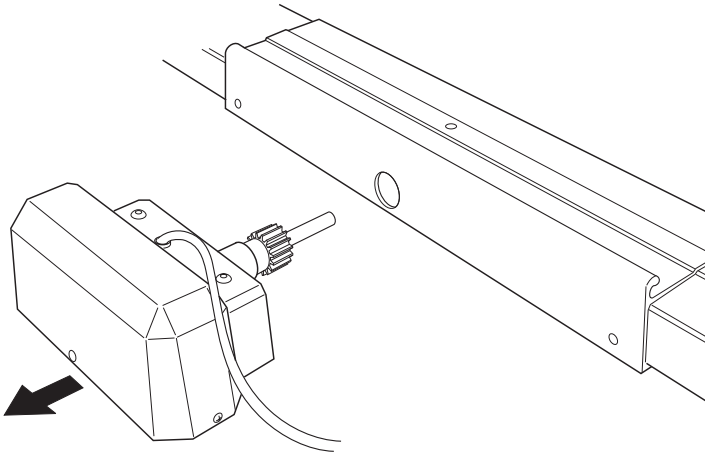
Tools required:

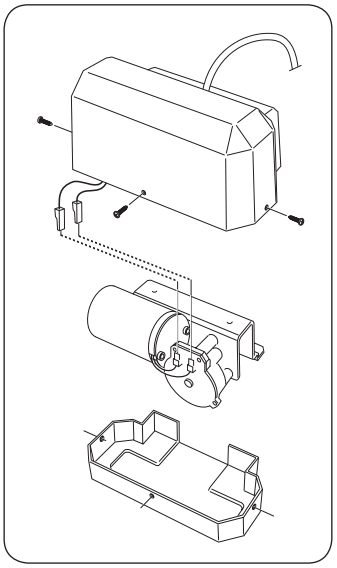
4 mm

1.



2.





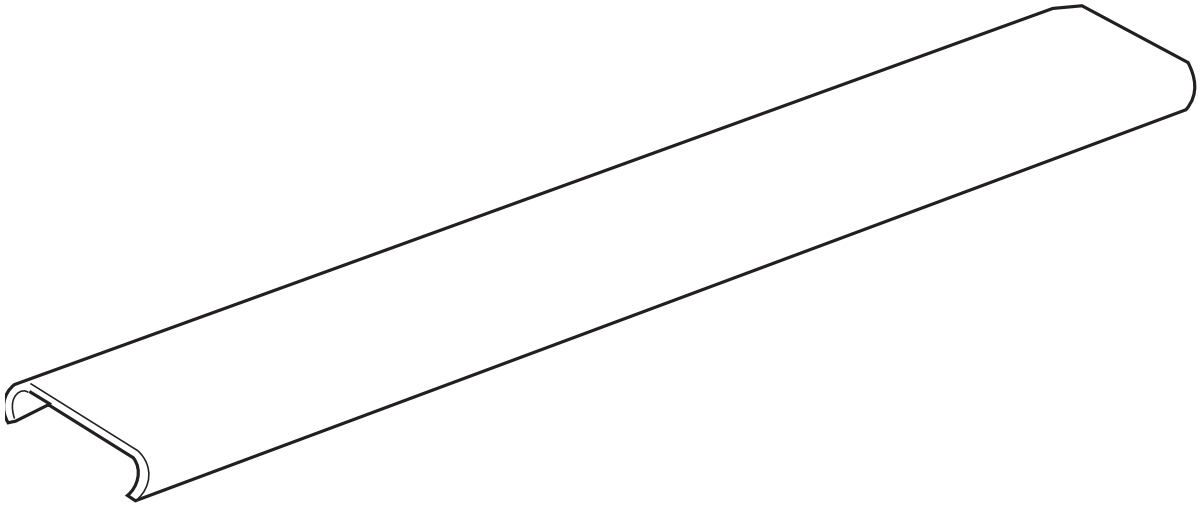
Liko

Spareparts Specification

Leg Protector

Part. no. 20090009

Serial no..... Version..... Release .....

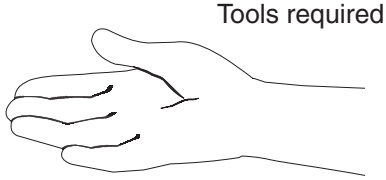


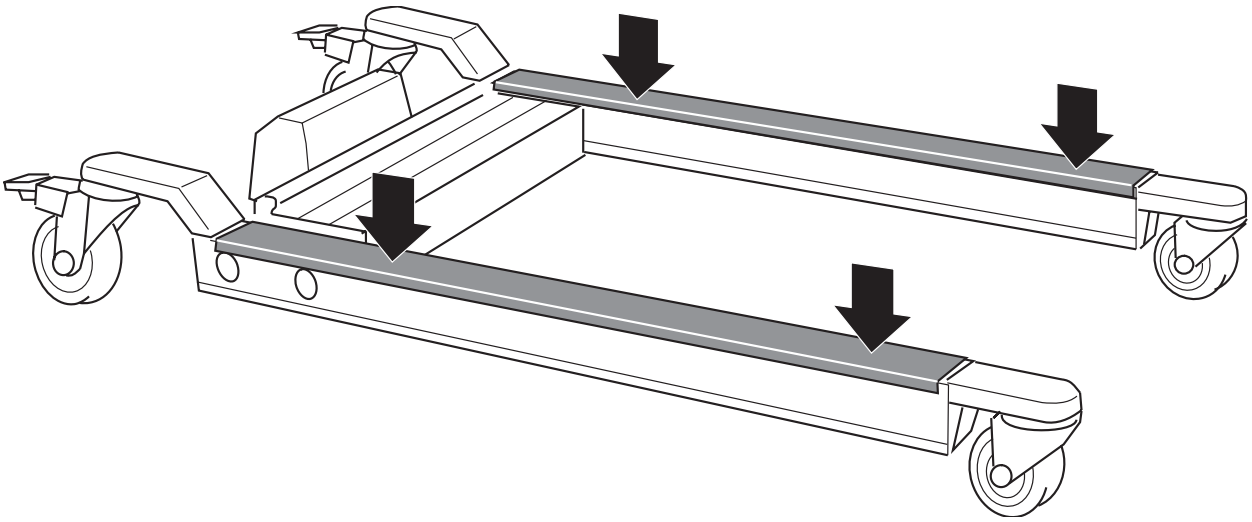
Details	Detail pos.	Detail no.	Unit
Leg protector Golvo 7000 S Right		900000501H	1
Leg protector Golvo 7000 S Left		900000501V	1
Tape-cushion 25x25		9300005008	8

Leg Protector

Part. no. 20090009

Tools required:





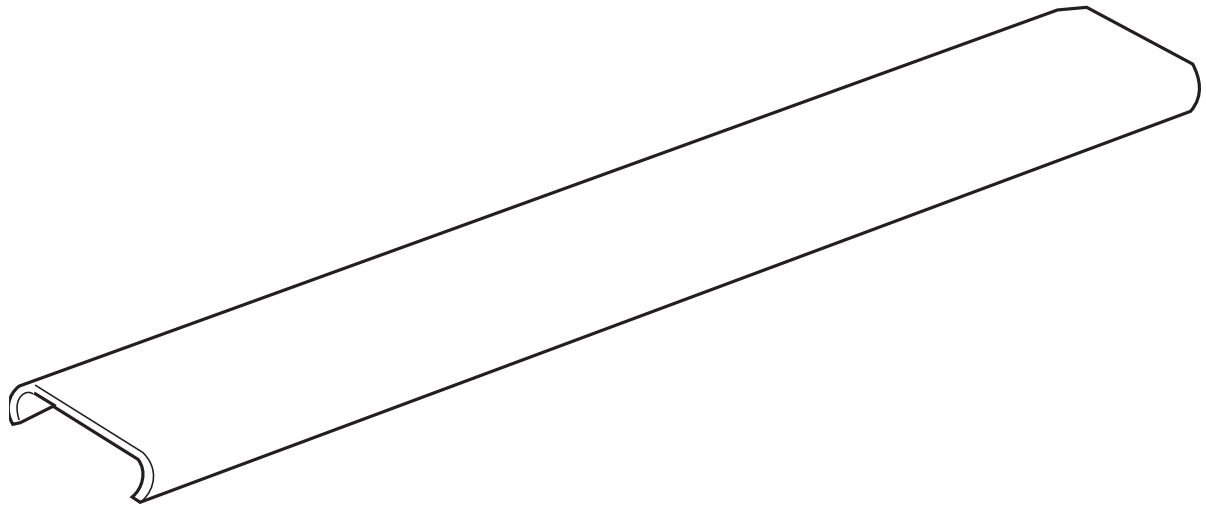
Liko

Spareparts Specification

Leg Protector

Part. no. 200900010

Serial no..... Version..... Release .....



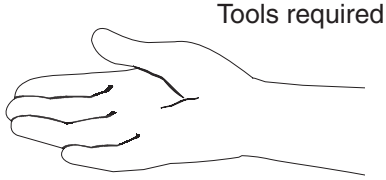
Details	Detail pos.	Detail no.	Unit
Leg protector Golvo 7007 S Right		900000520H	1
Leg protector Golvo 7007 S Left		900000520V	1
Tape-cushion 25x25		930000500	8

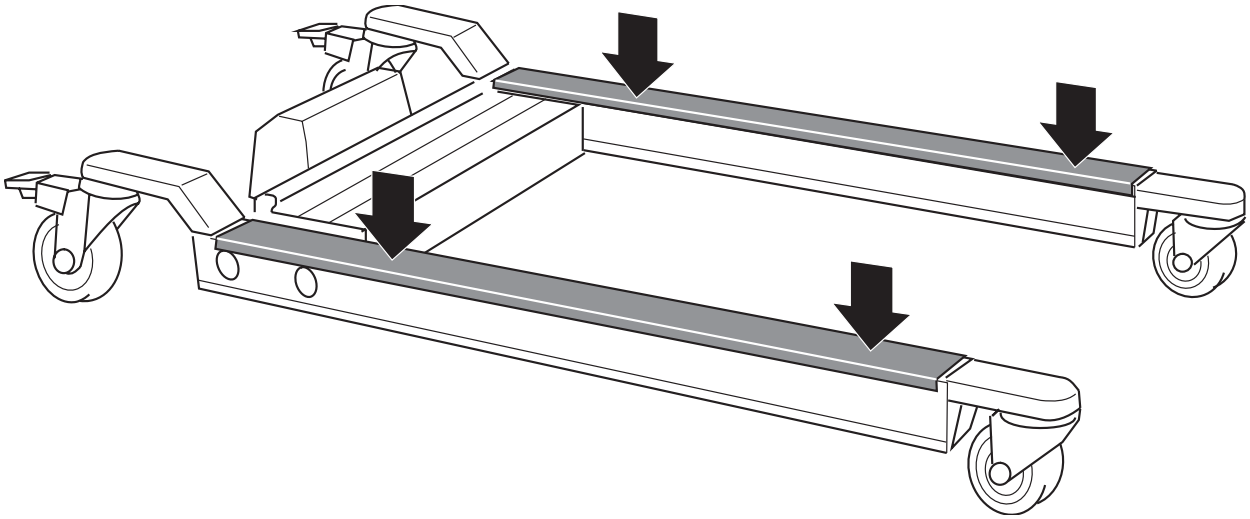
Leg Protector

Part. no. 200900010

Serial no..... Version..... Release .....

Tools required:

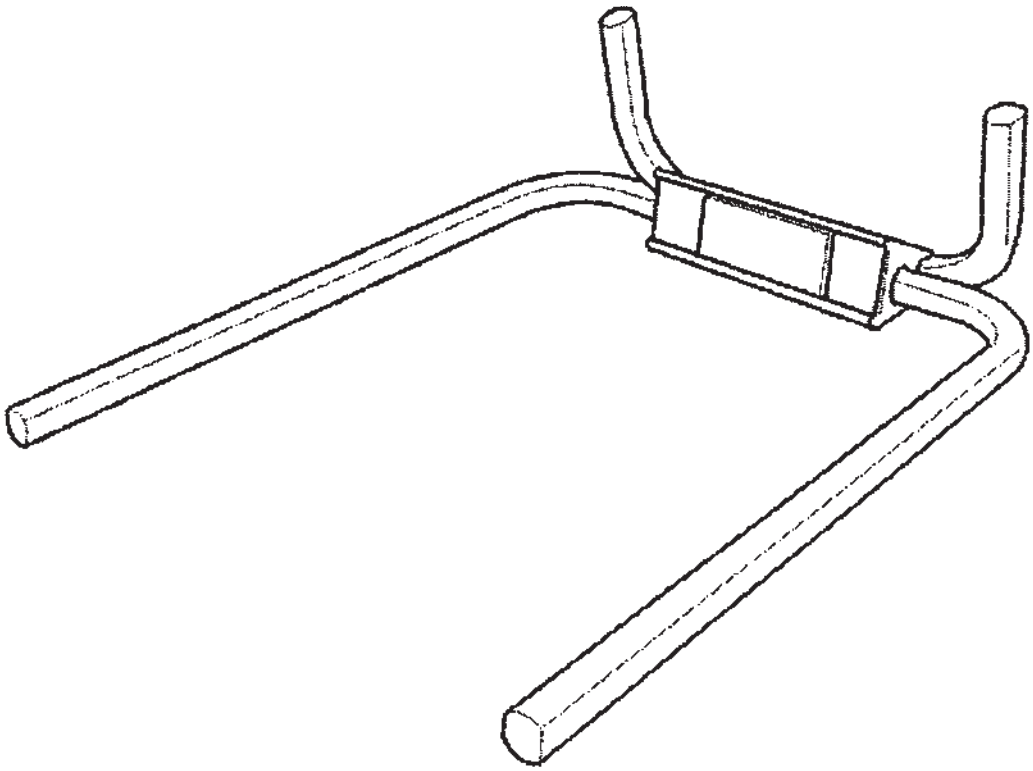




Armrest

Part. no. 20090013

Serial no..... Version..... Release .....



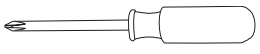
All details according to drawing no. R 4911141-b

Details	Detail pos.	Detail no.	Unit	Details	Detail pos.	Detail no.	Unit
End cover arm holder	105	900000156	2	M6 Nyloc	108	930000117	10
Plastic cap armrest G7	106	900000157	4	Woodruff 10*10*105 (Alu.)	102	930000155	2
Magnet	111	900000544	2	Screw MRX M6*14	107	930000158	2
Plate 40*40*0,8	112	900000545	1	Screw MRX M5*10 Ezloc	109	930000159	4
Arm	100	900911082	2	Stop screw S6SS M6*30	110	930000160	8
Bush	103	901011312	2	BRB 5,3*10*1	123	930000164	4
Axial bushing	104	901013111	2	Distance 225*8*0,5	130	930000165	1
Handle stop	99	901891110	2	Armrest	98	931891112	1
Handle	101	901911081	2	Decal Armrest		900000235	1

Armrest

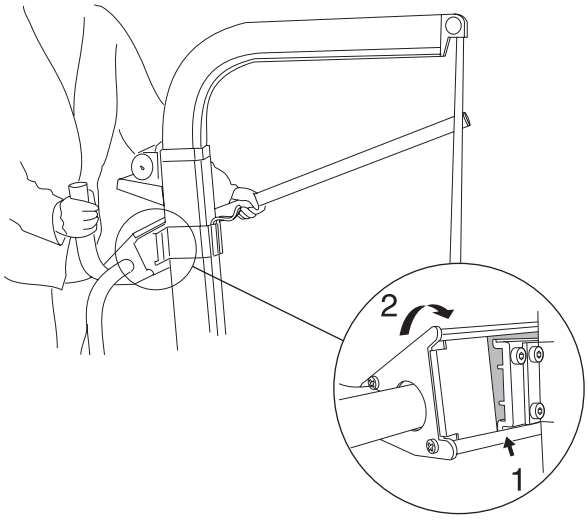
Part. no. 20090013

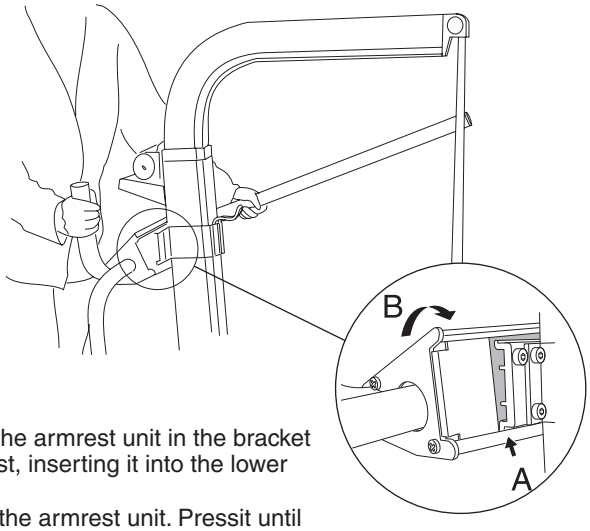
Tools required:



2X 6 mm

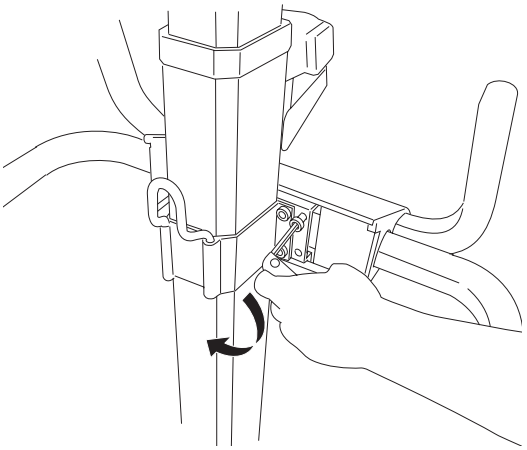
Assembly:

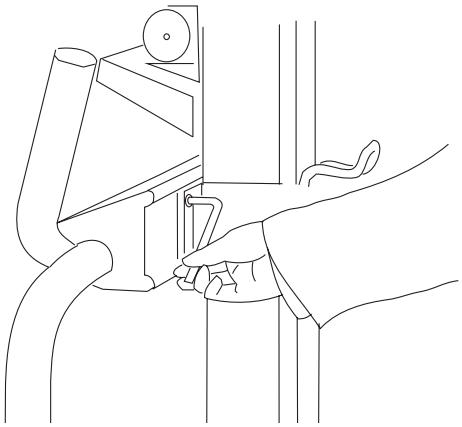




A) Place the armrest unit in the bracket on the mast, inserting it into the lower track first.
B) Lower the armrest unit. Pressit until it snaps onto the upper track. Note that none of the pre-mounted M8 screws should be completely unscrewed, although you may need to loosen some of them.

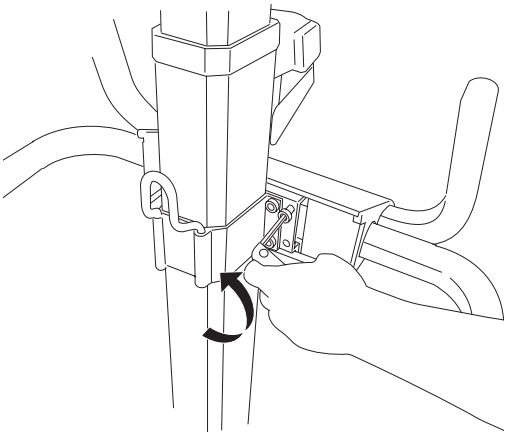
2.



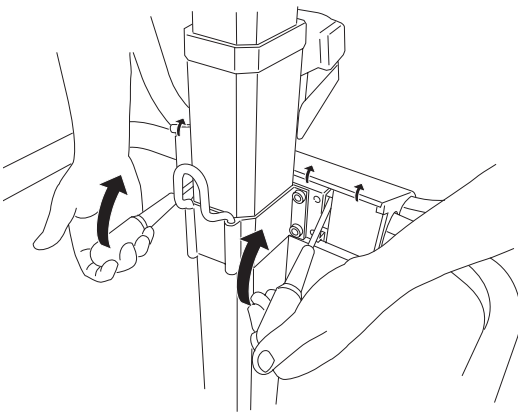


Secure the armrest by tightening the two pre-mounted M8 screws.

Dismount: 1.



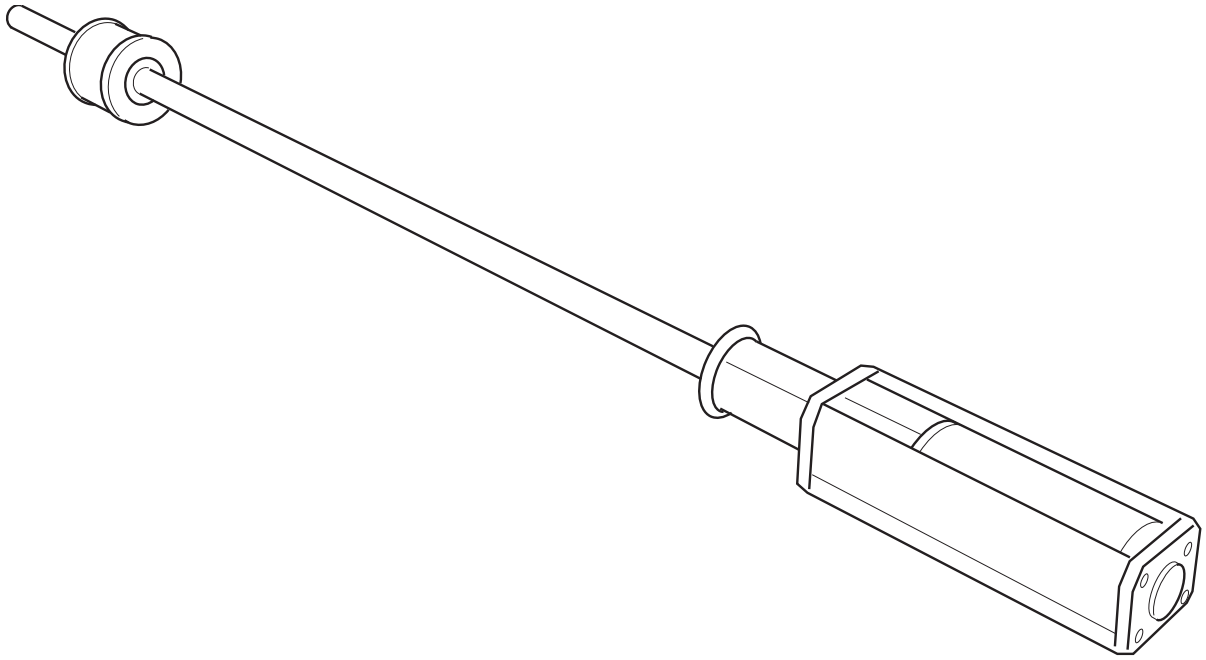
2.



Actuator

Part. no. 20090014

Serial no. > 70100001/77100001 Version..... Release .....

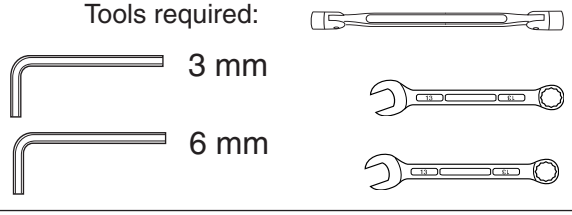


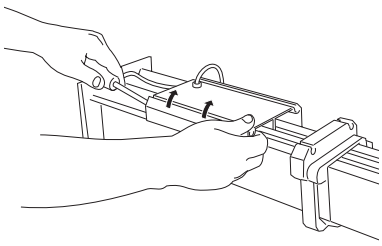
All details according to drawing no. R 4911140-c/R 4911140-d

Actuator

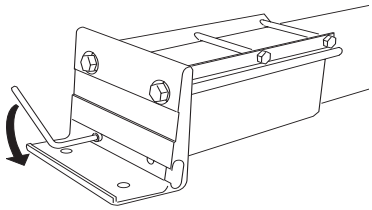
Part. no. 20090014

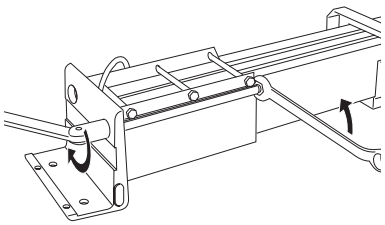
Tools required:



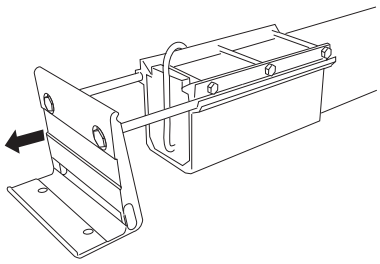


1. Remove the EB cover.

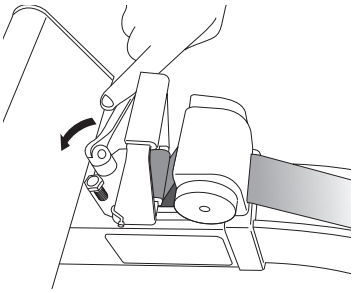




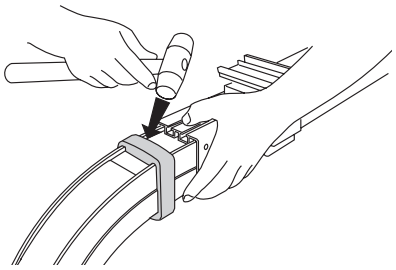
2. Remove the screws and the locking nut from the mast attachment.



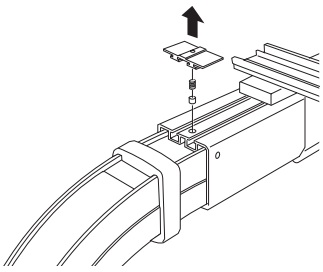
3. Remove the mast attachment.



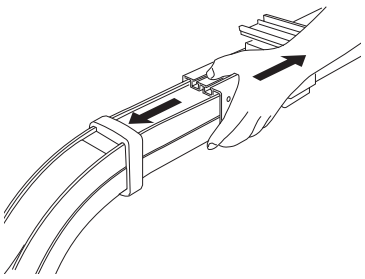
4. Remove the Emergency lowering device.



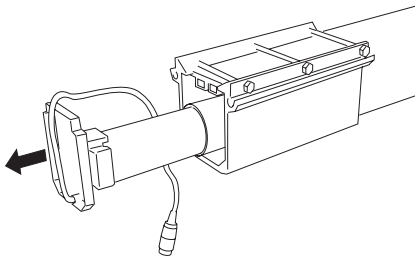
5. Unfix the screw and the plastic cover.



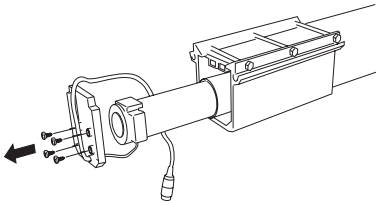
6. Unfix the aluminium holder



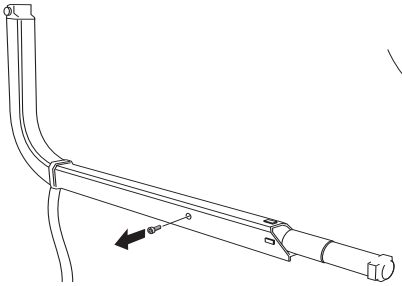
7. Unfix the spring and the slipper.

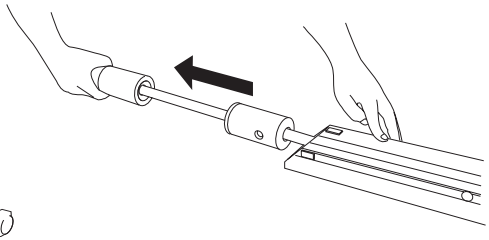


8. Push the innermast through the mast.



9. Remove the screws from the motorplate.





10. Remove the screws and the plastic casing. Pull out the actuator.

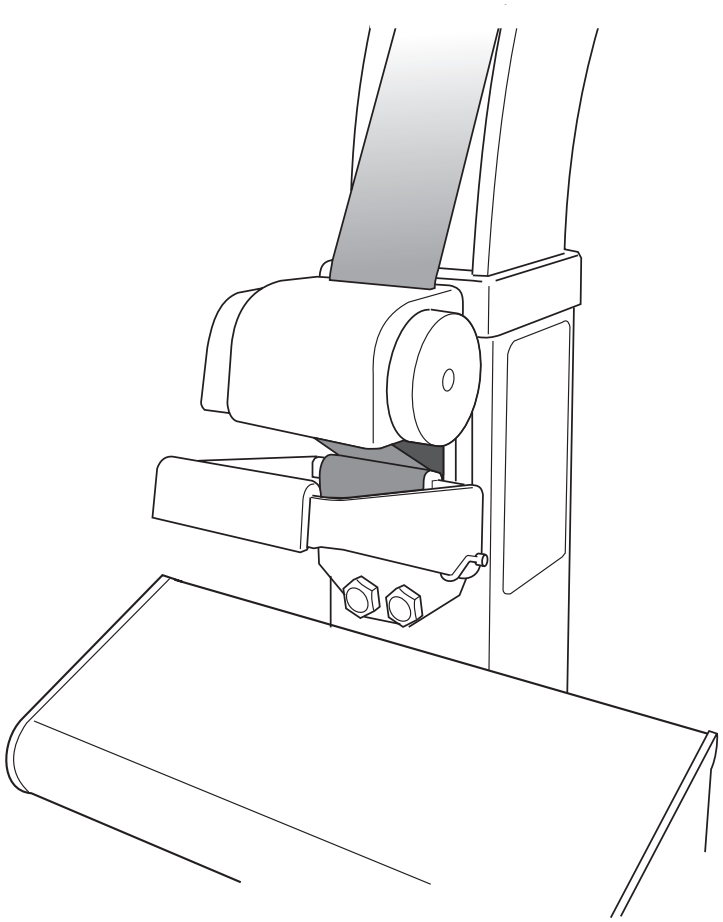
Liko

Spareparts Specification

Emergency lowering device

Part. no. 20090015

Serial no..... Version..... Release .....



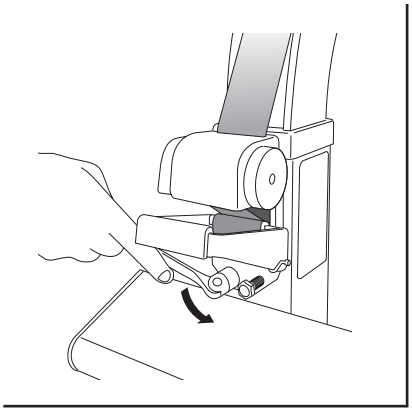
All details according to drawing no. R 3961203

Details	Detail pos.	Detail no.	Unit.
Spring Holder KPL	1	900000106	1
Locking Pin 3*48	7	900000570	1
Friction Profile	15	900000571	1
Plastic Housing	4	901891202	1
Strap shaft	3	901901202	1
Wheel (right)	9	901912022	1
Screw K6S M5*12	10	930000082	1
Screw KXT B4x9,5	2	930000107	2
Tube 10/12 L=60mm	5	930000108	1

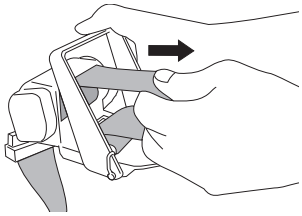
Details	Detail pos.	Detail no.	Unit
Nut M6M M5	8	930000230	1
Pin D=6 L=30	13	931891206	2
Torsion spring	12	900000109H	1
Torsion spring	12	900000109V	1
Axle stop right	14	901901207H	1
Axle stop left	14	901901207V	1
Baseplate	11	90191201C	1
Baseplate 2	16	90191201D2	1

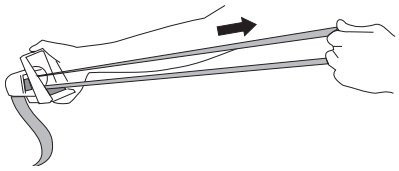
Emergency lowering device

Part. no. 20090015

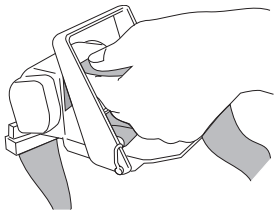


Tools required:

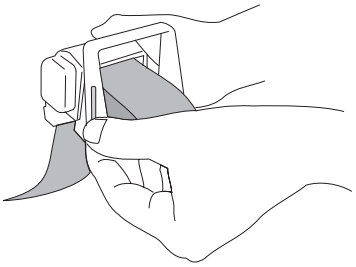




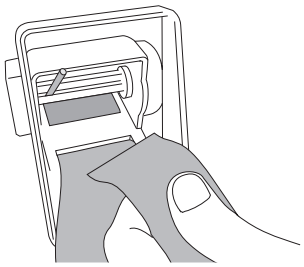
1. Pull the strap all the way out.



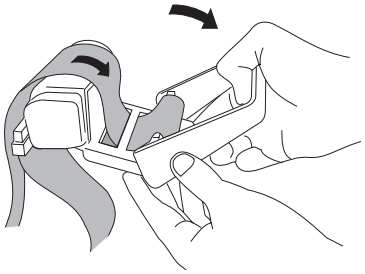
2. Hold the springloaded wheel and release the strap by removing the pin.



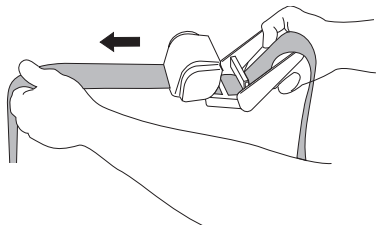
3. Remove the pin.△ Do not let go of the springloaded wheel, since the tension will release.



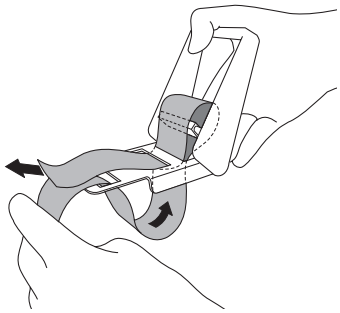
4. Use the pin to lock the axle where the strap was mounted.



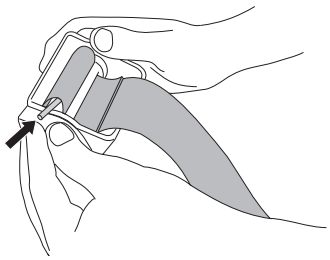
5. Push the emergency lowering handle down and pull the strap away.



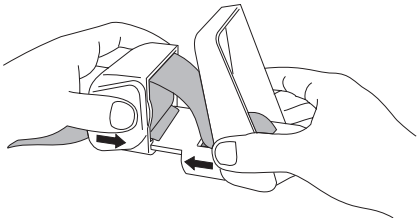
6. Pull the rest of the strap out and remove the plastic housing.



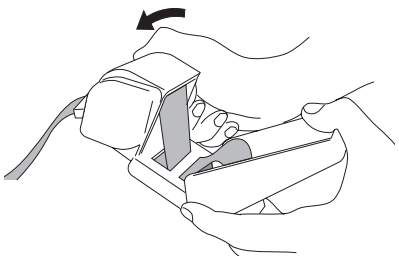
7. Mount the new strap through the plastic housing with the red mark towards the plastic housing and then as shown above.



8. Mount the strap through the slot in the axle and the same way back. **Note!** The axle has two different sides. Place the pin as shown to lock the strap.△ Do not let go of the springloaded wheel, since the tension will release.



9. Push the plastic housing on to the strap joint.



10. Roll the strap up until the red mark reaches the plastic housing.

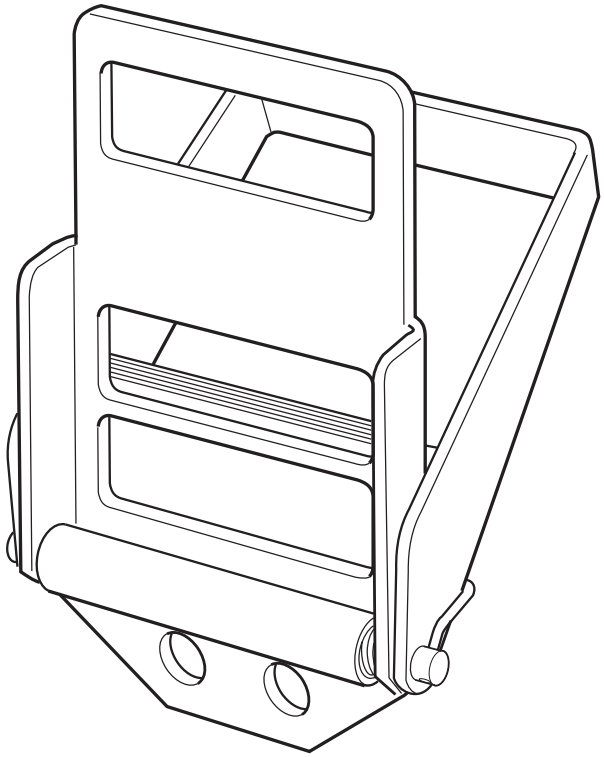
Liko

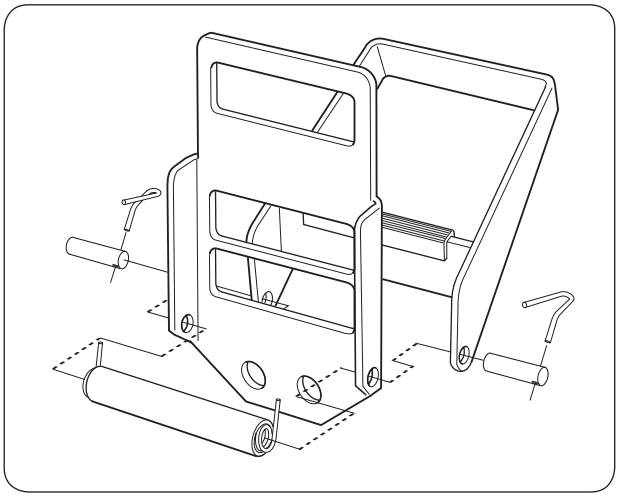
Spareparts Specification

Body/Handle

Part. no. 20090016

Serial no..... Version..... Release .....





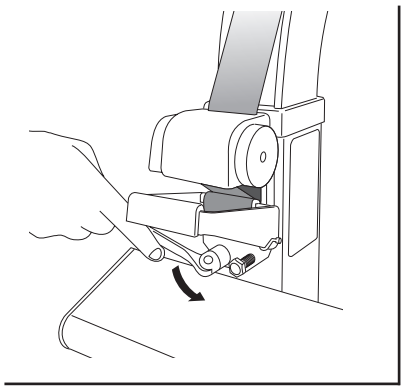
All details according to drawing no. R 3961203

Details	Detail pos.	Detail no.	Unit
Friction Profile	15	900000571	1
Tube 10/12 L=60mm	5	930000108	1
Nut M6M M5	8	930000230	1
Pin D=6 L=30	13	931891206	2
Torsion spring l/r	12	900000109H	1

Details	Detail pos.	Detail no.	Unit
Torsion spring l/r	12	900000109V	1
Axle stop right	14	901901207H	1
Axle stop left	14	901901207V	1
Baseplate	11	90191201C	1
Baseplate 2	16	90191201D2	1

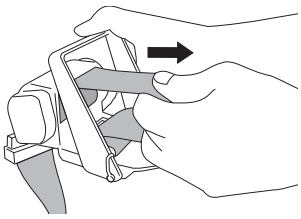
Body/Handle

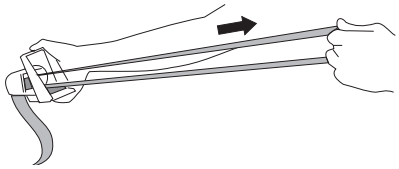
Part. no. 20090016



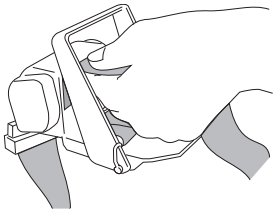
Tools required:

13 mm

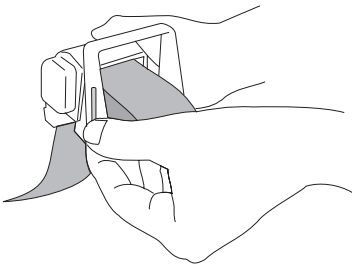




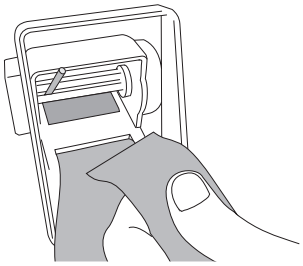
1. Pull the strap all the way out.



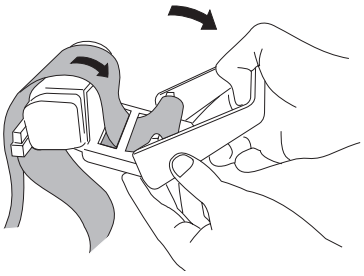
2. Hold the springloaded wheel and release the strap by removing the pin.



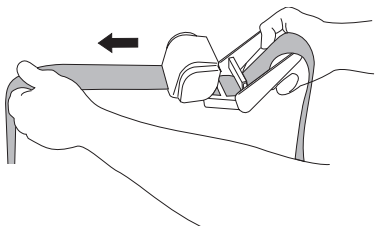
3. Remove the pin. △ Do not let go of the springloaded wheel, since the tension will release.



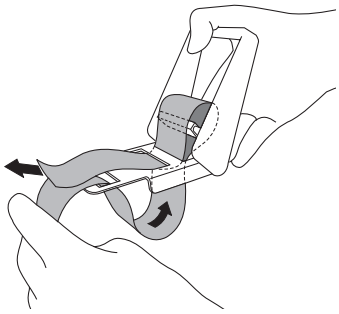
4. Use the pin to lock the axle where the strap was mounted.



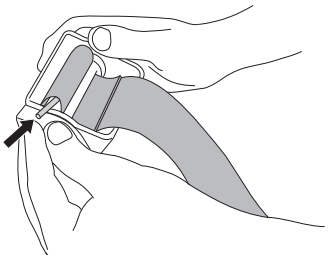
5. Push the emergency lowering handle down and pull the strap away.



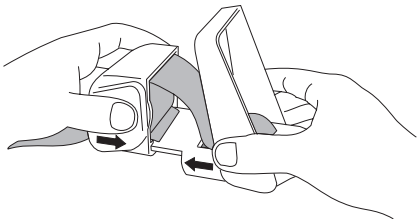
6. Pullthe rest of the strap out and remove the plastic housing.



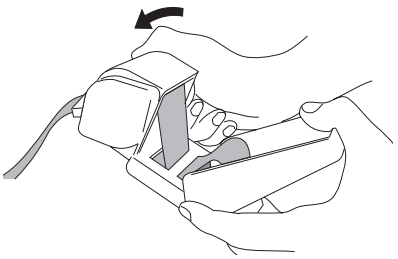
7. Mount the new strap through the plastic housing with the red mark towards the plastic housing and then as shown above.



8. Mount the strap through the slot in the axle and the same way back. **Note!** The axle has two different sides. Place the pin as shown to lock the strap.△ Do not let go of the springloaded wheel, since the tension will release.



9. Push the plastic housing on to the strap joint.



10. Roll the strap up until the red mark reaches the plastic housing.

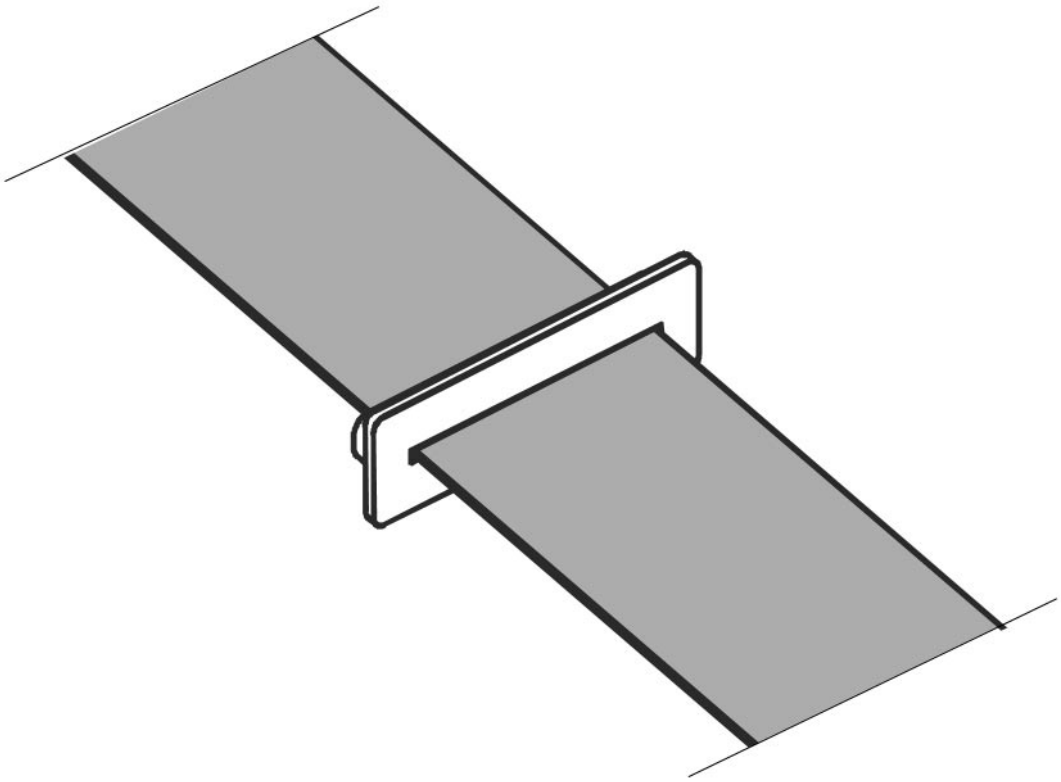
Liko

Spareparts Specification

Lift strap 7000

Part. no. 20090018

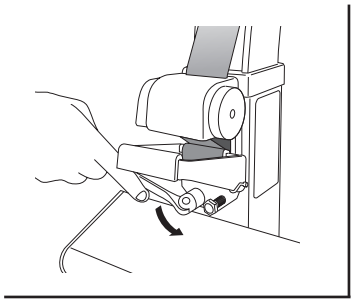
Serial no..... Version..... Release .....

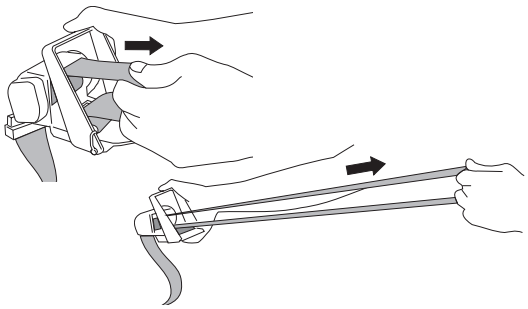


Details	Detail pos.	Detail no.	Unit
Lift strap 7000S		901311904-1	1

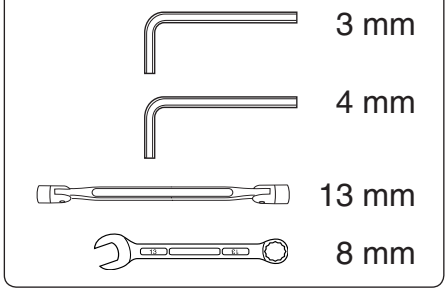
Lift strap 7000

Part. no. 20090018

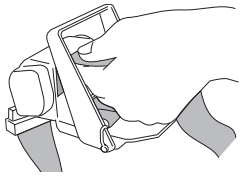


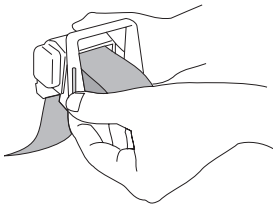


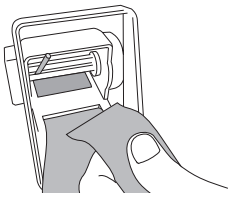
Tools required:



1. Pull the strap all the way out.



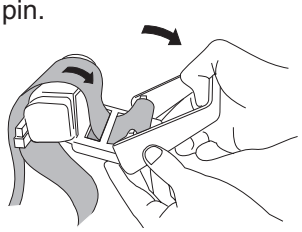


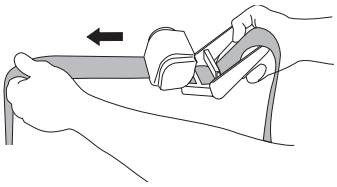


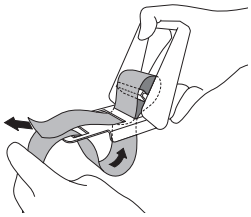
2. Hold the springloaded wheel and release the strap by removing the pin.

3. Remove the pin. △ Do not let go of the springloaded wheel, since the tension will release.

4. Use the pin to lock the axle where the strap was mounted.



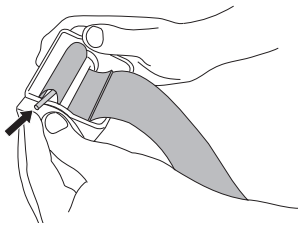


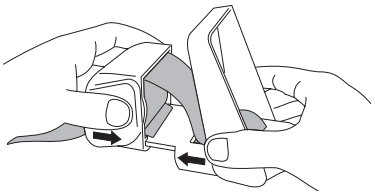


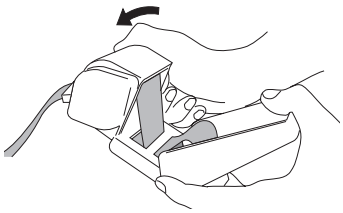
5. Push the emergency lowering handle down and pull the strap away.

6. Pull out the rest of the strap and remove the plastic housing.

7. Mount the new strap through the plastic housing with the red mark towards the plastic housing and then as shown above.





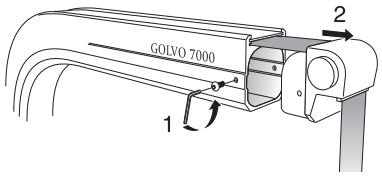


8. Mount the strap through the slot in the axle and the same way back.
Note! The axle has two different sides. Place the pin as shown to lock the strap.
△ Do not let go of the springloaded wheel, since the tension will release.

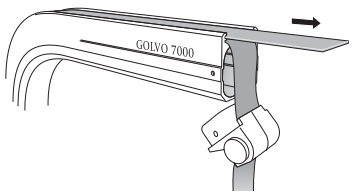
9. Push the plastic housing on to the strap joint.

10. Roll the strap up until the red mark reaches the plastic housing.

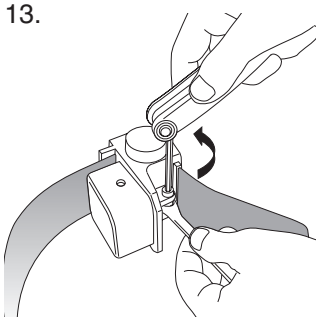
11.



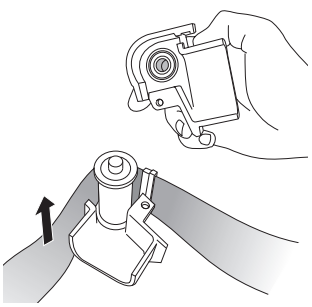
12.



13.



14.



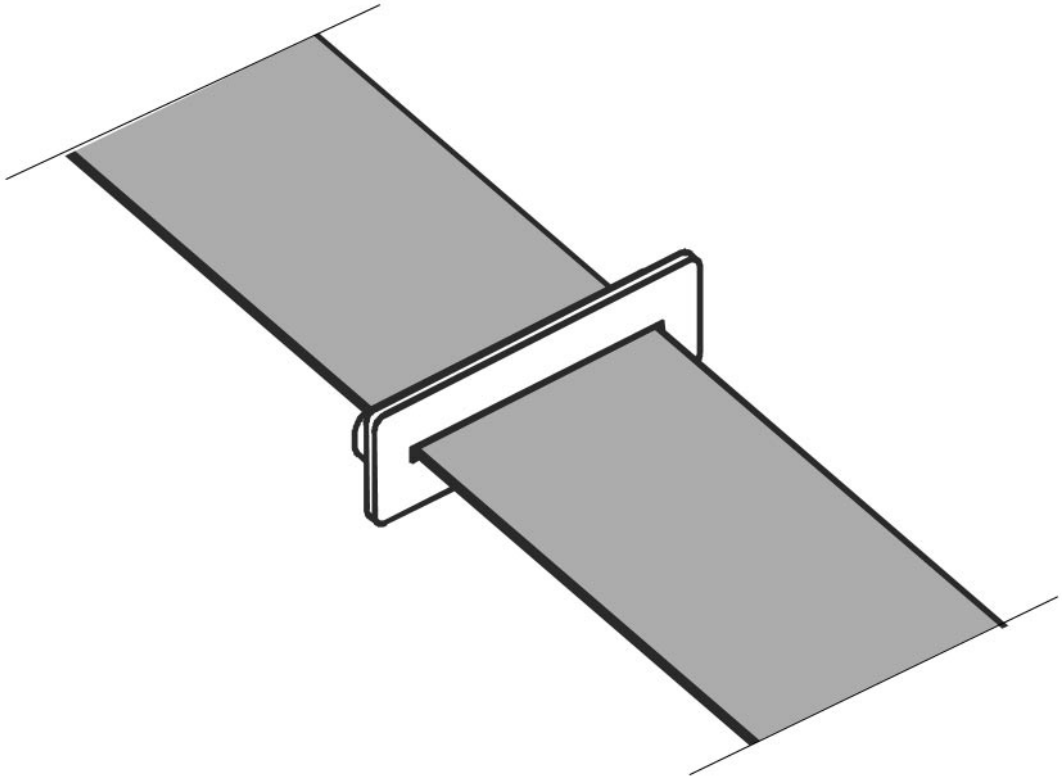
Liko

Spareparts Specification

Lift strap 7007

Part. no. 20090019

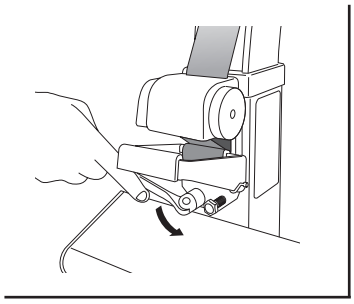
Serial no..... Version..... Release .....

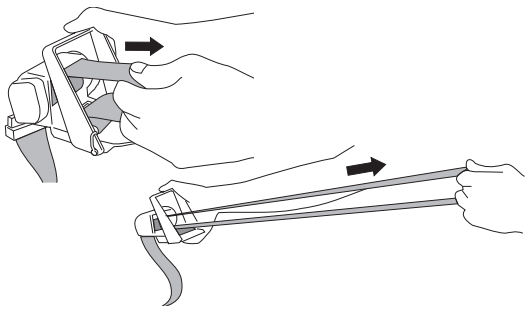


Details	Detail pos.	Detail no.	Unit
Lift strap 7007 S		901311904-2	1

Lift strap 7007

Part. no. 20090019





1. Pull the strap all the way out .

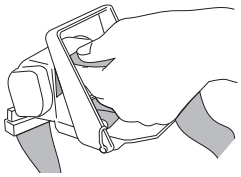
Tools required:

3 mm

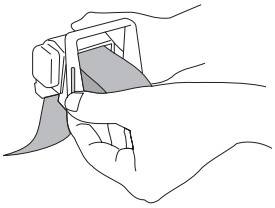
4 mm

13 mm

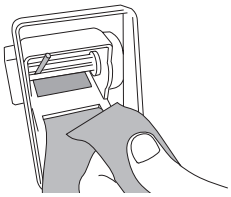
8 mm



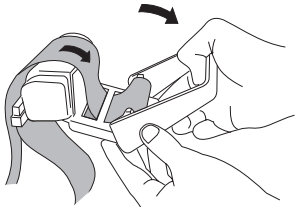
2. Hold the springloaded wheel and release the strap by removing the pin.



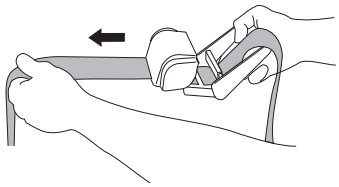
3. Remove the pin. △ Do not let go of the springloaded wheel, or the tension will release.



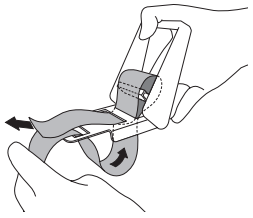
4. Use the pin to lock the axle where the strap was mounted.



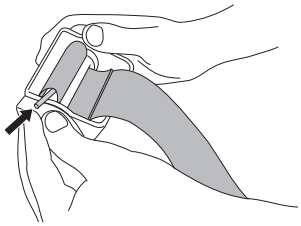
5. Push the emergency lowering handle down and pull away the strap.



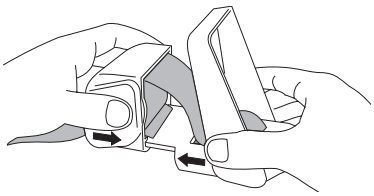
6. Pull out the rest of the strap and remove the plastic housing.



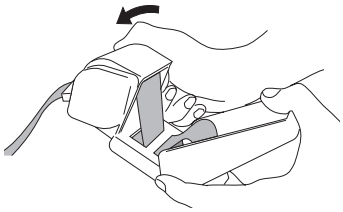
7. Mount the new strap through the plastic housing with the red mark towards the plastic housing and then as shown above.



8. Mount the strap through the slot in the axle and back the same way. Note! The axle have two different sides. Place the pin as shown to lock the strap. △ Do not let go of the springloaded wheel, or the tension will release.

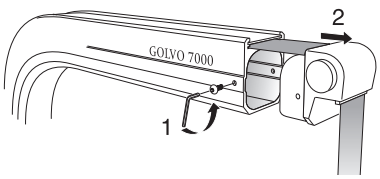


9. Push the plastic housing on to the strap joint..

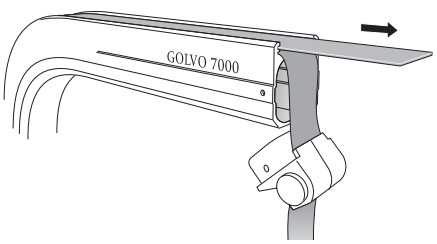


10. Roll up the strap until the red mark reaches the plastic housing.

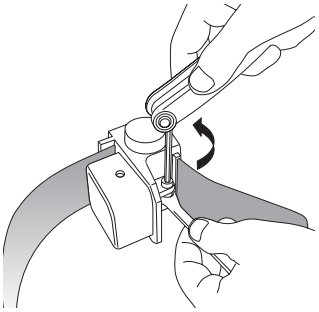
11.



12.



13.



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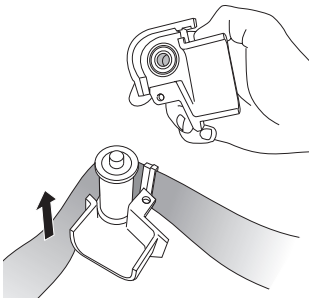
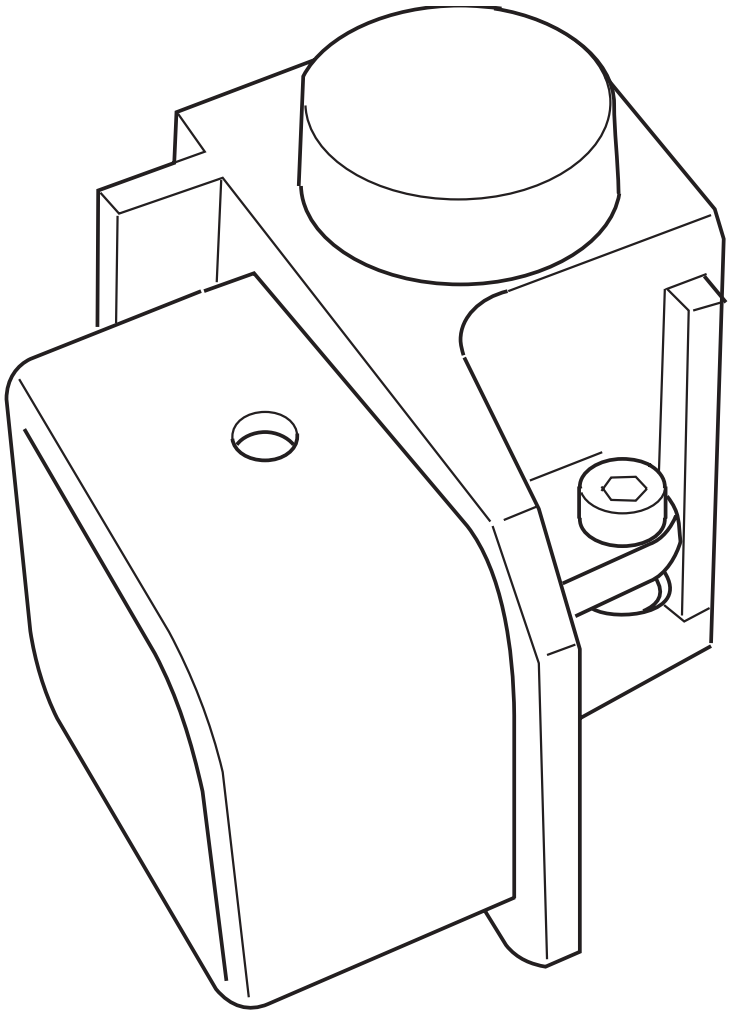


Roll frame attachment

Part. no. 20090020

Serial no..... Version..... Release .....



All details according to drawing no. R 4911139-b

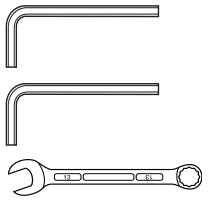
Details	Detail pos.	Detail no.	Unit
Shaft 10*74	62	900000100	1
Roll D=32 mm	61	901486132	1
Nylon bearing 10*15*12	60	920000048	2
Ball coupling 6000-2Z	59	920000098	2

Details	Detail pos.	Detail no.	Unit
MC6S M5*12	125	930000063	1
M5 Nyloc	126	930000104	1
Roll frame attachment Right	58	90191301H	1
Roll frame attachment Left	58	90191301V	1

Roll frame attachment

Part. no. 20090020

Tools required:

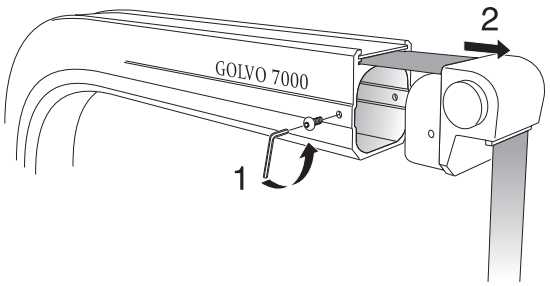


3 mm

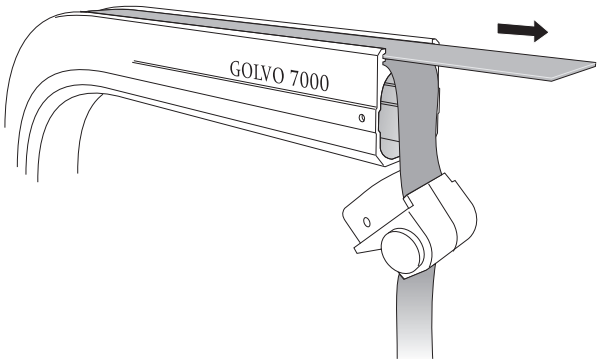
4 mm

8 mm

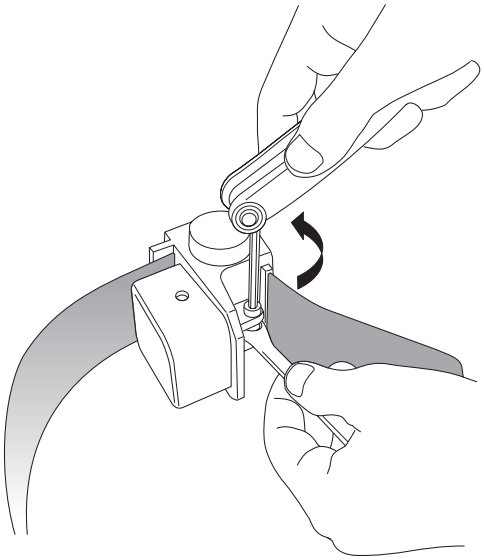
1.



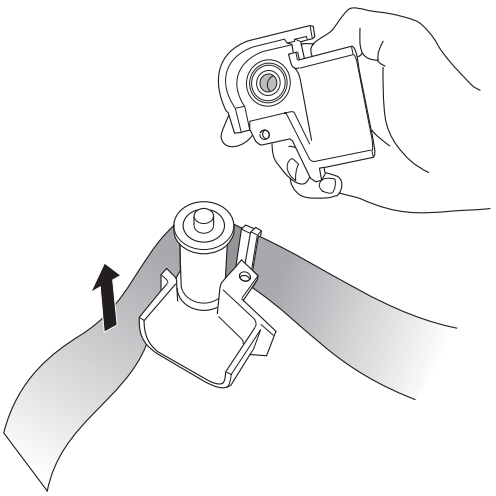
2.



3.



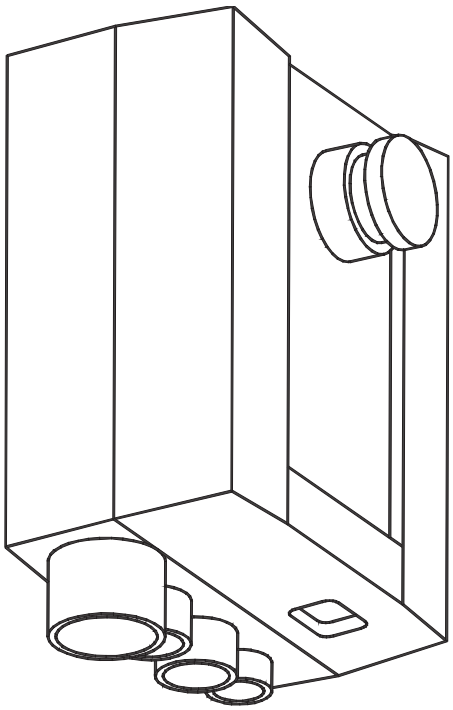
4.

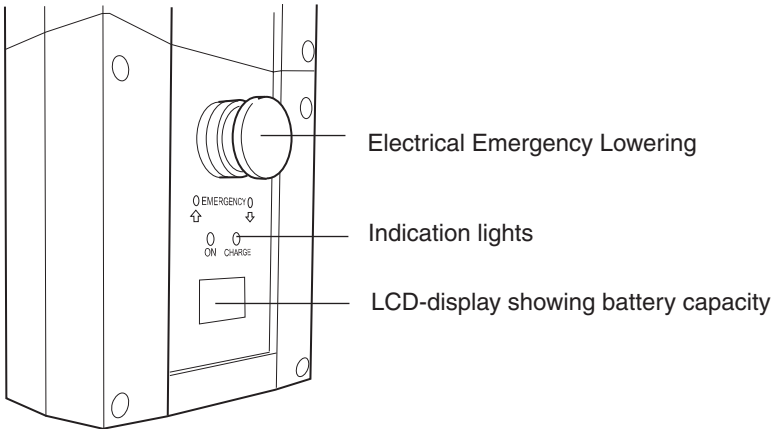


Controlbox

Part. no. 20090022

Serial no..... Version..... Release .....





All details according to drawing no. R4911140-d

Details	Detail pos.	Detail no.	Unit
Controlbox Golvo	21	950000027	1
Plastic cover IKPT 12 15 G		900000292	1

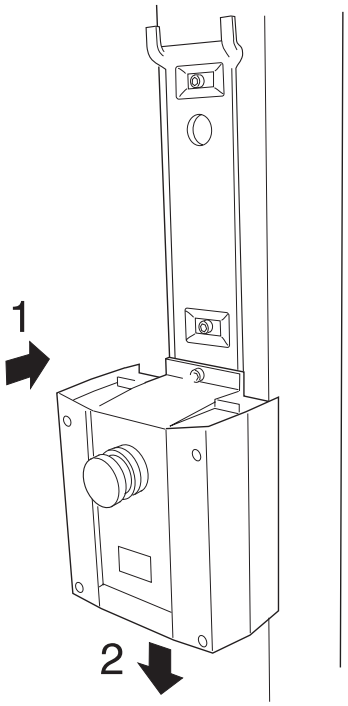
Controlbox

Part. no. 20090022

Tools required:

3 mm

1.



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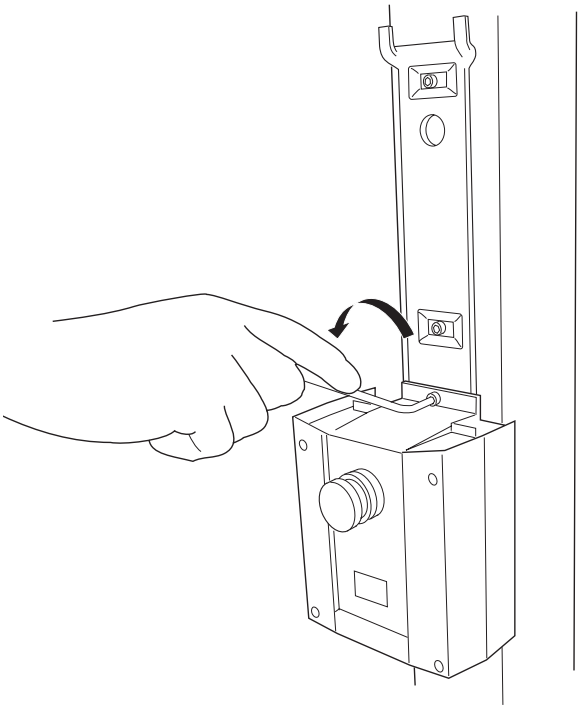
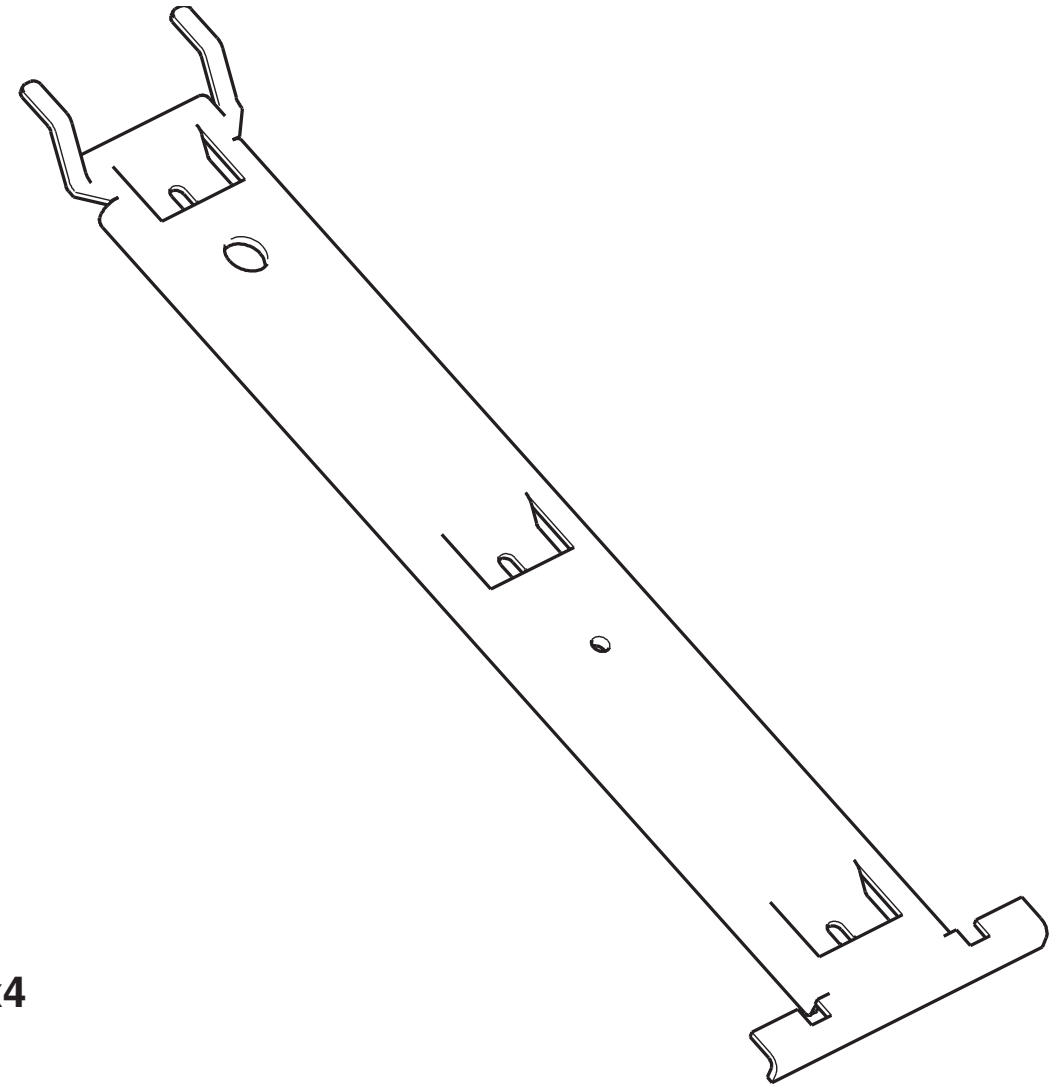


Attachment for controlbox

Part. no. 20090023

Serial no..... Version..... Release .....



x4

All details according to drawing no. R4911140-d

Details	Detail pos.	Detail no.	Unit
Attachment for controlbox MBJ2	22	900000001	1
MC6S M5*8 low	22	930000001	4

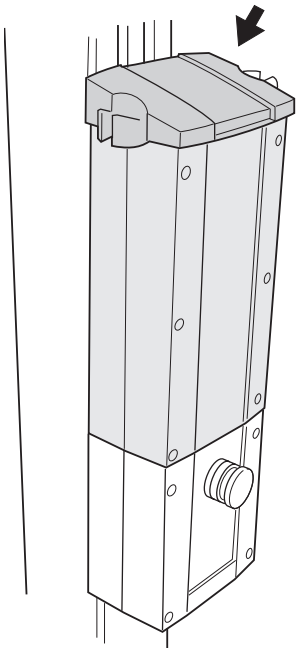
Attachment for controlbox

Part. no. 20090023

Tools required:

3 mm

1.



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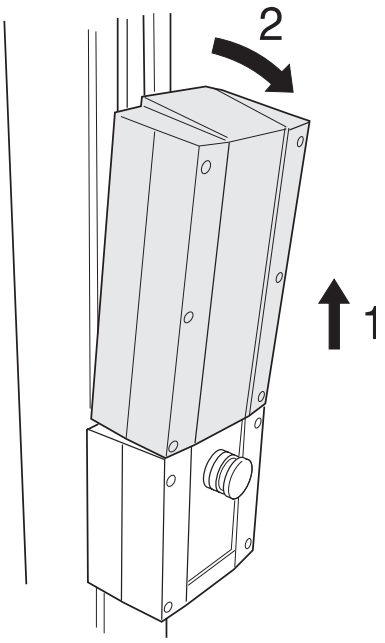

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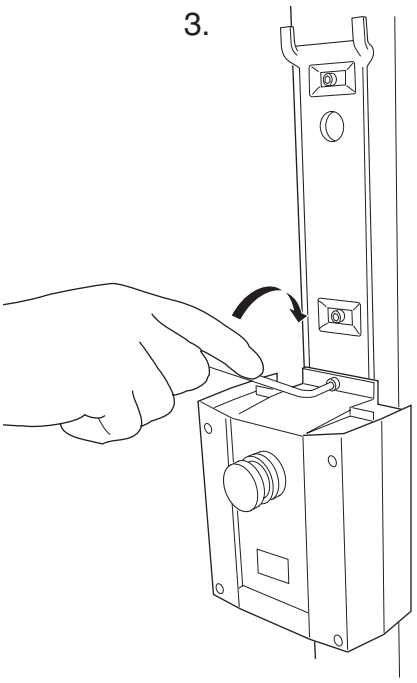
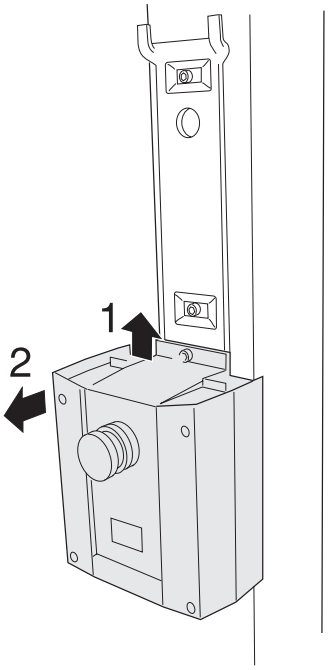
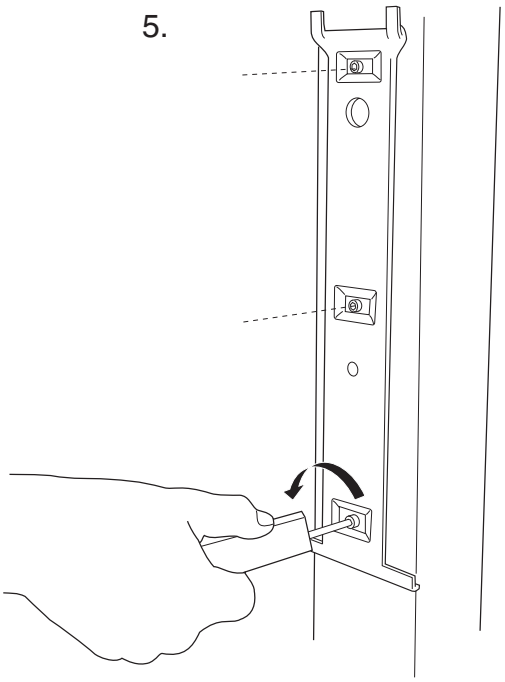


4.



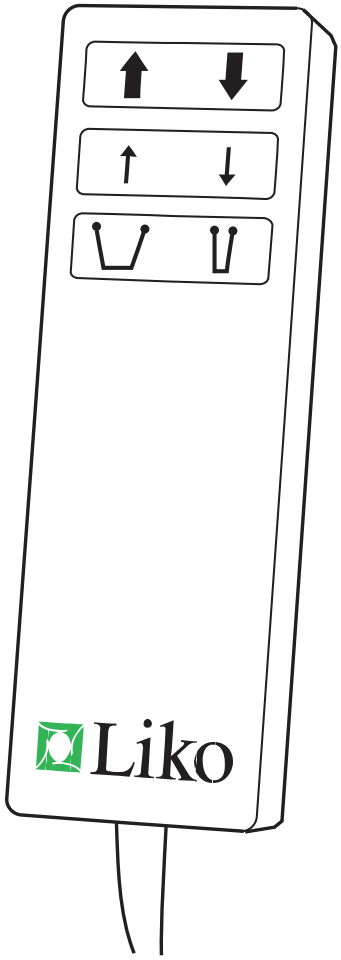
5.



Handcontrol ES

Part. no. 20090024

Serial no..... Version..... Release .....



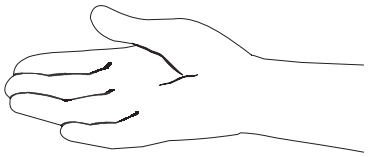
All details according to drawing no. R4911140-d

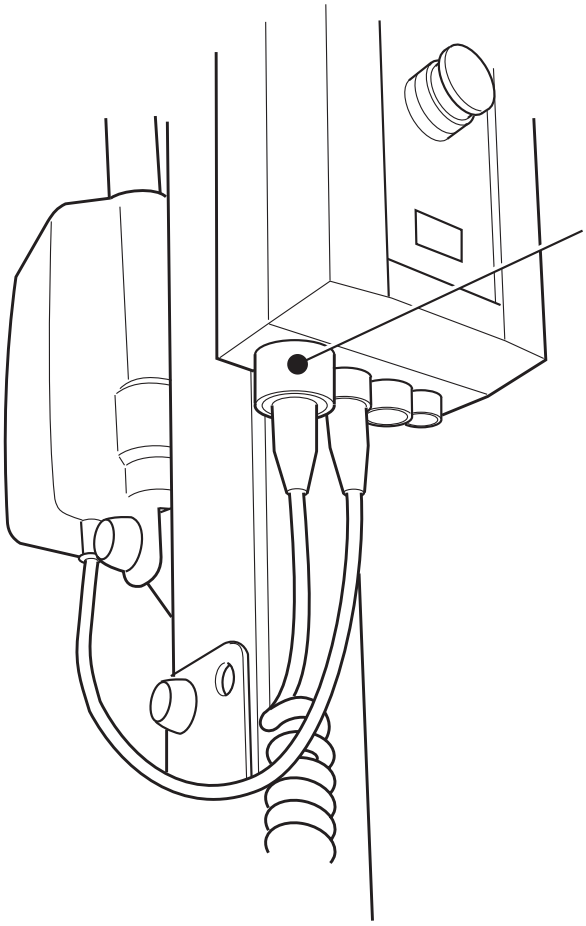
Details	Detail pos.	Detail no.	Unit
Handcontrol ES	19	950000049	1

Handcontrol ES

Part. no. 20090024

Tools required:



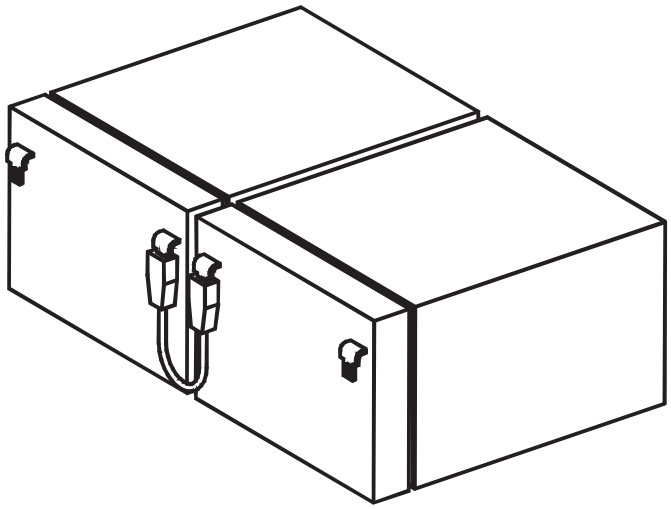


Connect the cable as indicated:

Battery

Part. no. 20090025

Serial no..... Version..... Release .....



All details according to drawing no. R 4911140-d

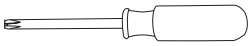
Details	Detail pos.	Detail no.	Unit
Battery 1 pair with cable	20	950000053	1

Two 2,9Ah - 12V valve regulated rechargable leadacid batteries.
New batteries are supplied by the manufacturer.

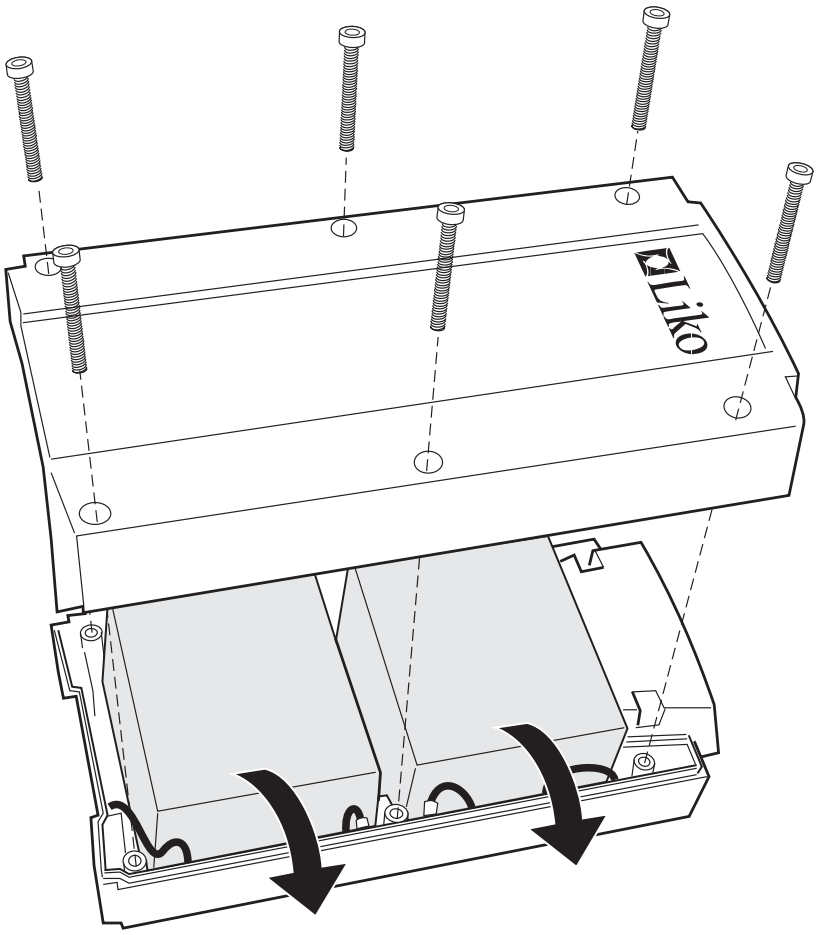
Battery

Part. no. 20090025

Tools required:



T20



Pb

Old batteries are to be left to personal authoriserad by Liko, or at the nearest station for environmental recycling.

Liko

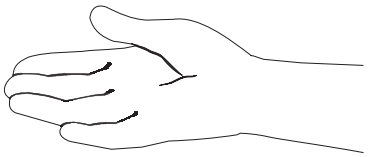
Spareparts Specification

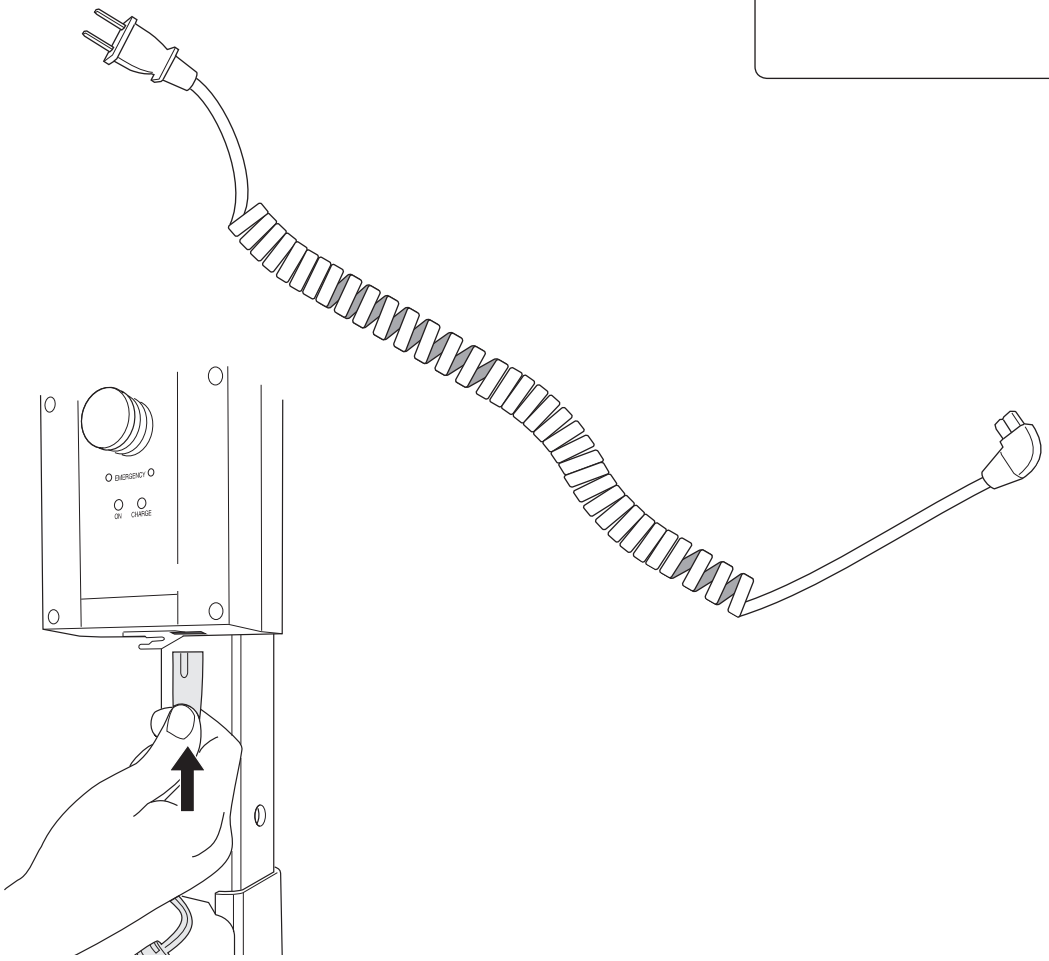
Cable for charging, EU

Part. no. 20090026

Serial no..... Version..... Release .....

Tools required:





Details	Detail pos.	Detail no.	Unit
Cable for charging, EU		9500000EU	1

Liko

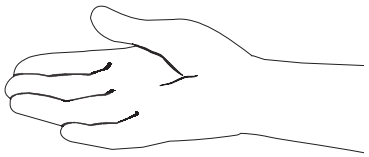
Spareparts Specification

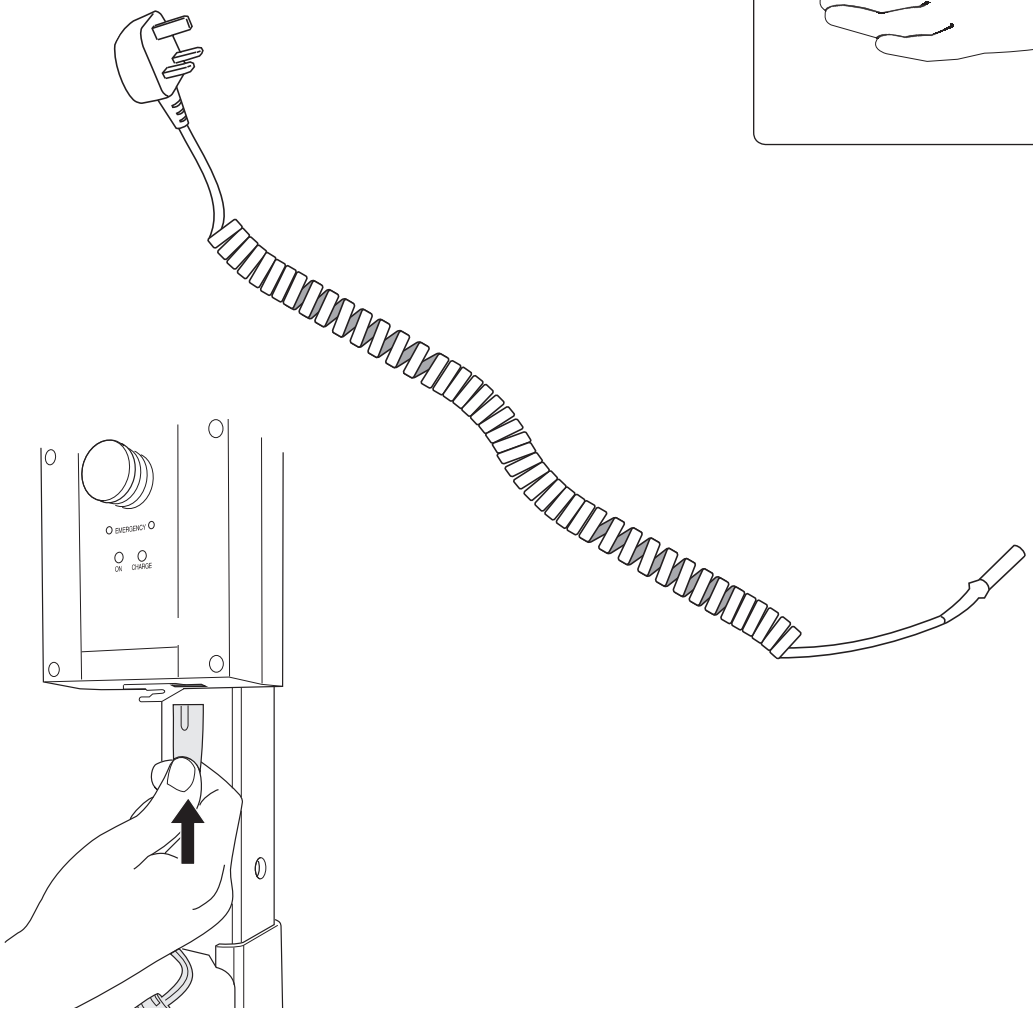
Cable for charging, UK

Part. no. 20090027

Serial no..... Version..... Release .....

Tools required:





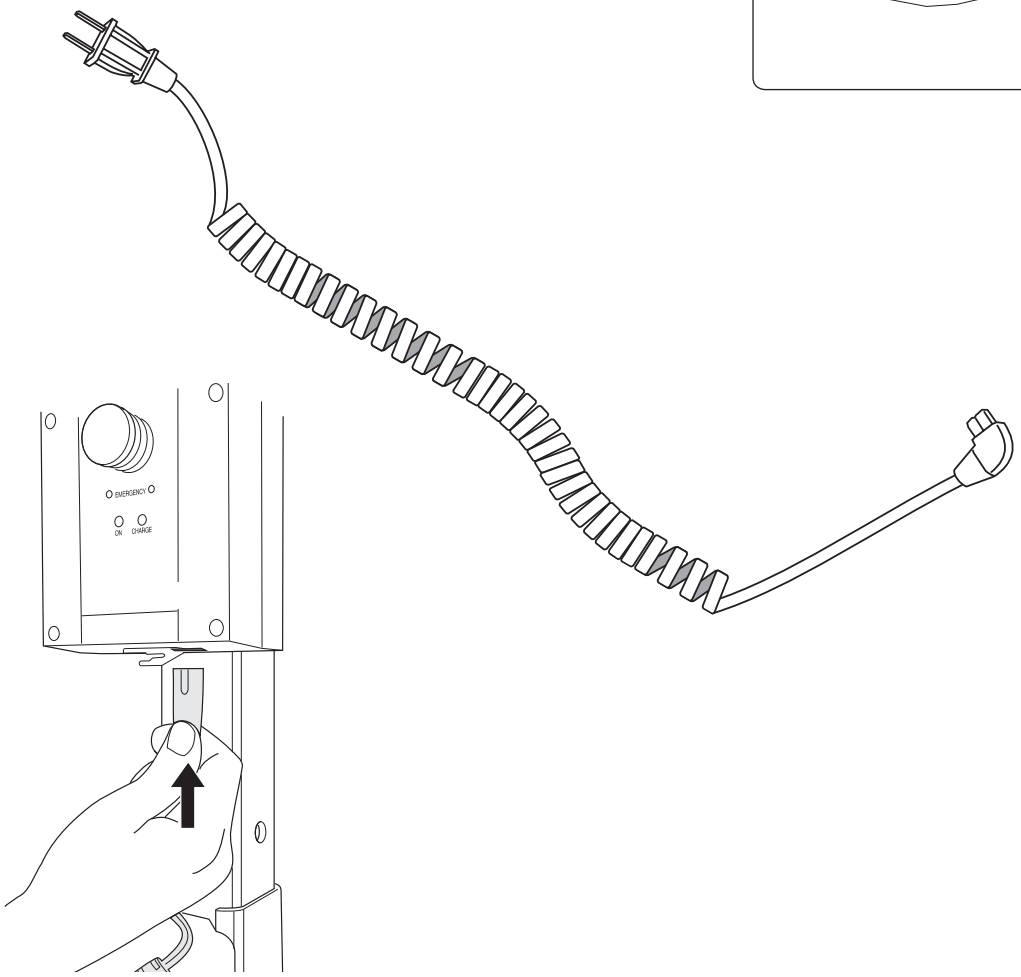
Details	Detail pos.	Detail no.	Unit
Cable for charging, UK		9500000UK	1

Cable for charging, US

Part. no. 20090028

Serial no..... Version..... Release .....

Tools required:

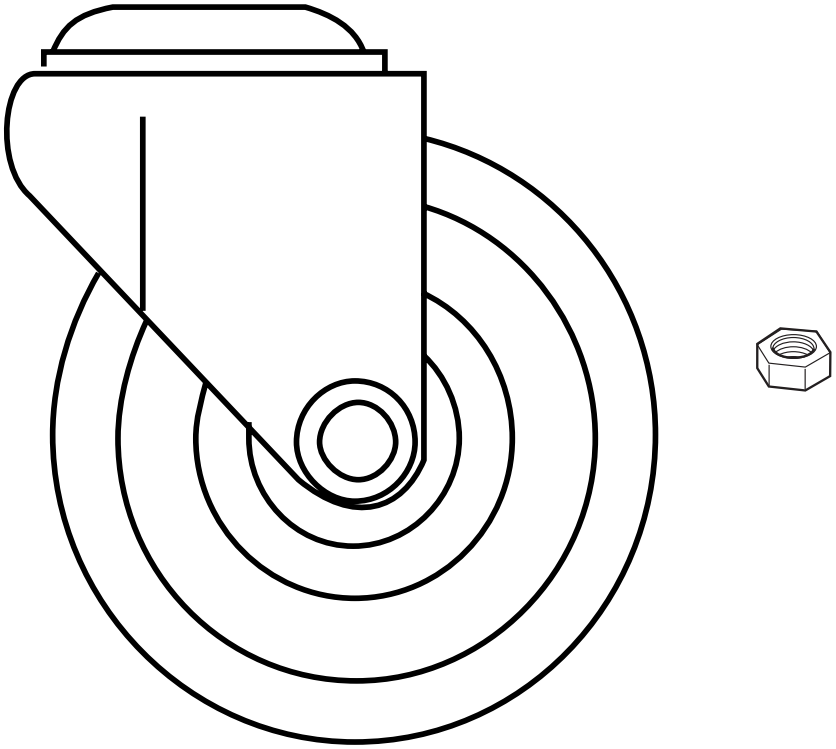


Details	Detail pos.	Detail no.	Unit
Cable for charging, US		9500000US	1

Frontwheel 75 mm

Part. no. 20090034

Serial no..... Version..... Release .....



All details according to drawing no. R 4911138-d

Details	Detail pos.	Detail no.	Unit
Twin wheel D=75mm	41	910000002	1
Locking Nut M10 Nyloc	43	930000010	1

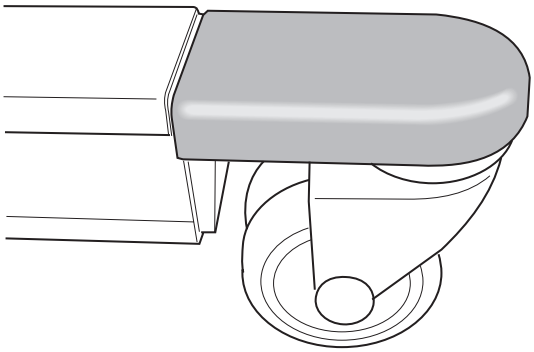
Frontwheel 75 mm

Part. no. 20090034

Tools required:

17 mm

1.



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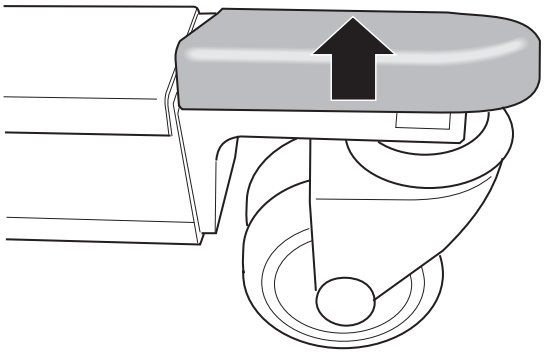

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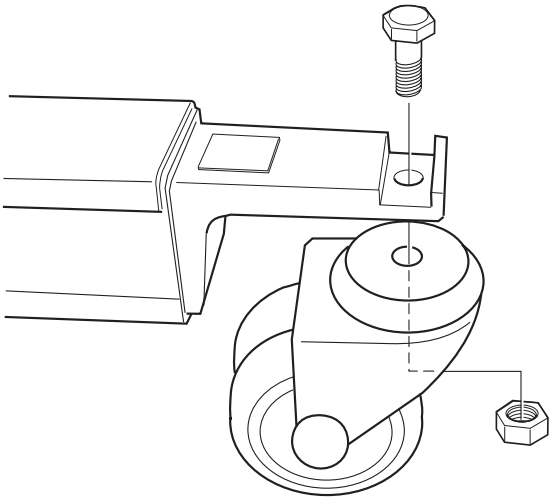


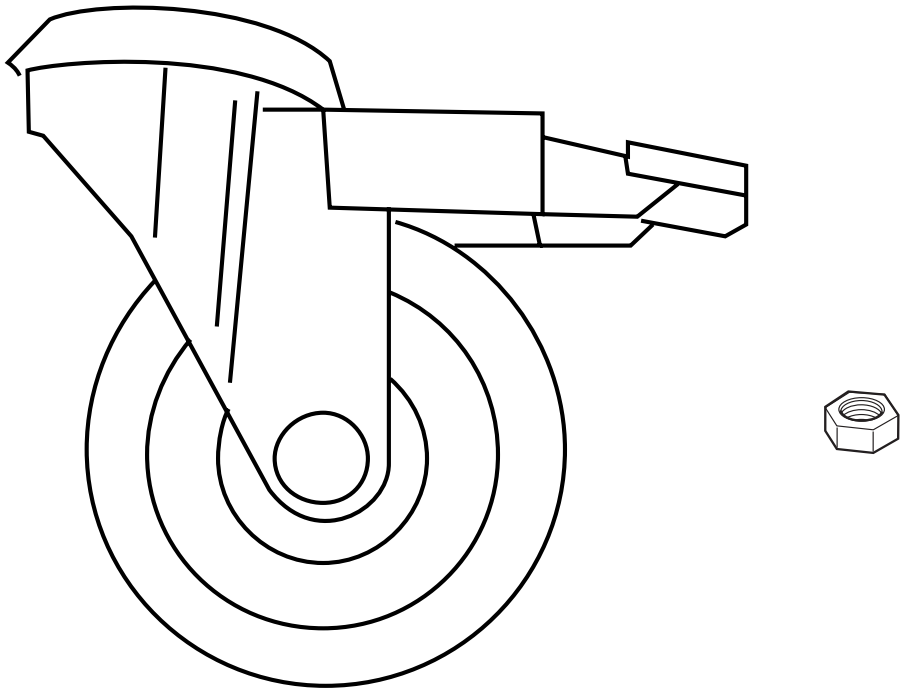
Liko

Spareparts Specification

Rearwheel 100 mm

Part. no. 20090035

Serial no..... Version..... Release .....



All details according to drawing no. R 4911138-d

Details	Detail pos.	Detail no.	Unit
Lockable wheel 100 mm	40	910000055	1
Distance Locking caster	42		1
Locking nut M12 Nyloc	42	930000056	1

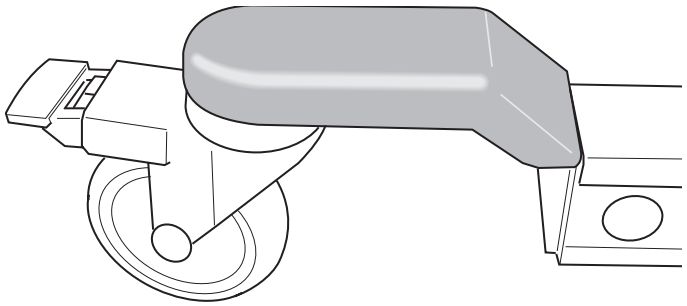
Rearwheel 100 mm

Part. no. 20090035

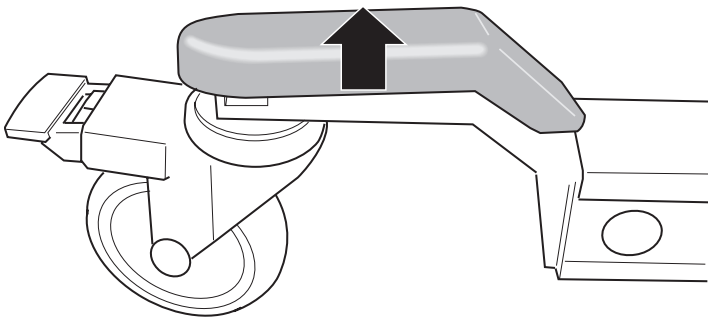
Tools required:

17 mm

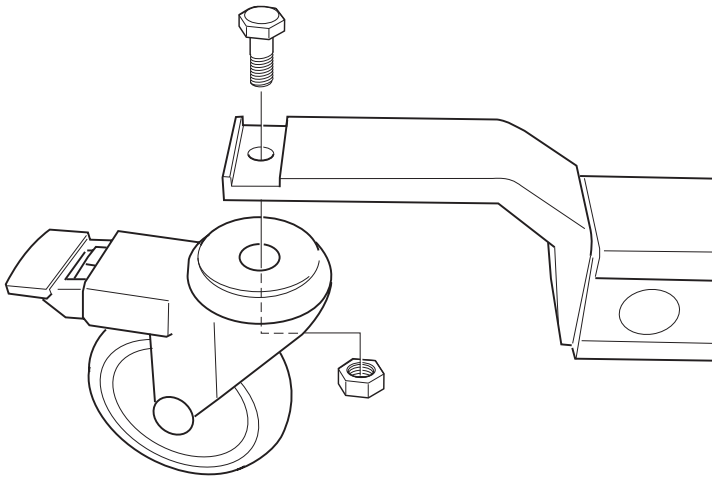
1.



2.



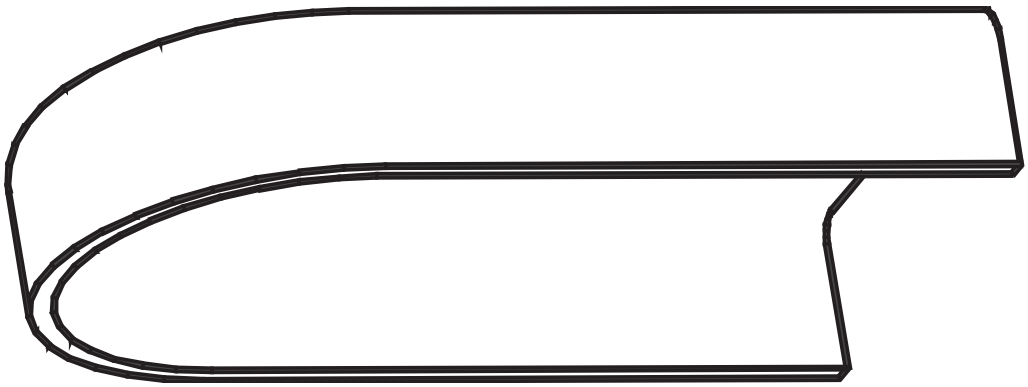
3.



Front wheel cover

Part. no. 20090036

Serial no..... Version..... Release .....



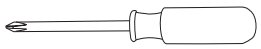
All details according to drawing no. R 4911138-d

Details	Detail pos.	Detail no.	Unit
Front wheel cover	46	900000062	2

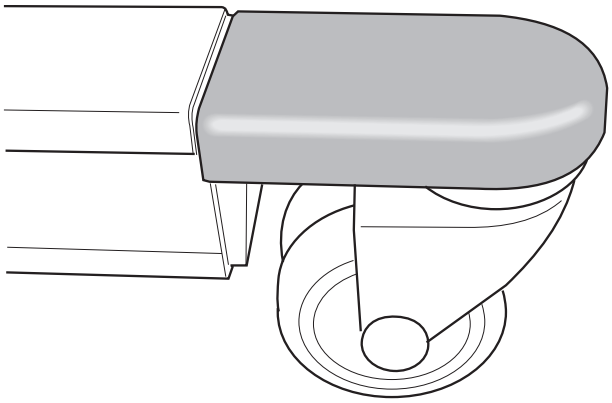
Front wheel cover

Part. no. 20090036

Tools required:



1.



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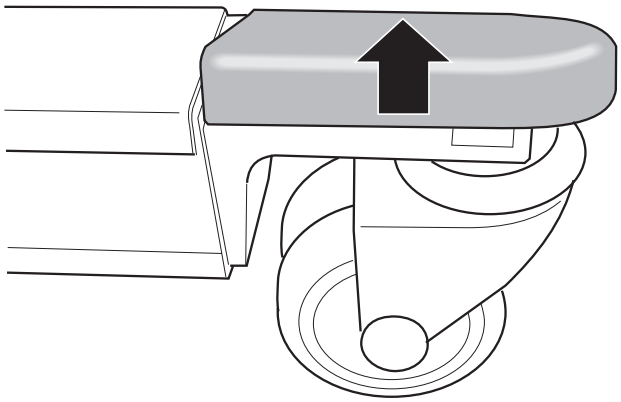


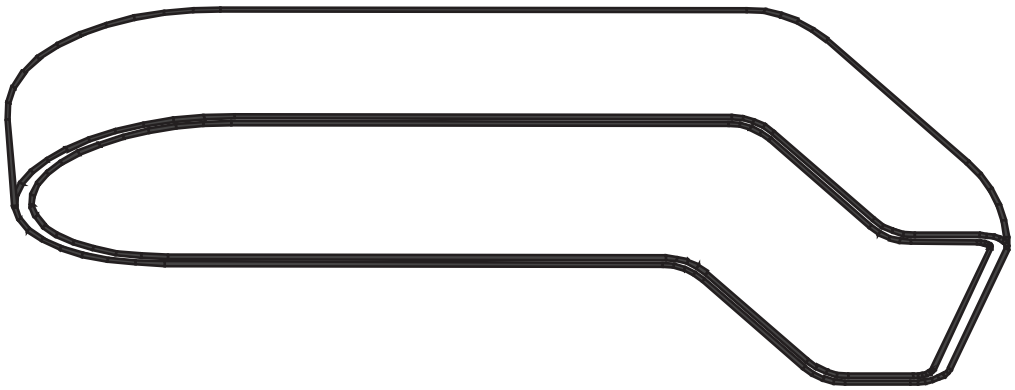
Liko

Spareparts Specification

Rear wheel cover

Part. no. 20090037

Serial no..... Version..... Release .....



All details according to drawing no. R 4911138-d

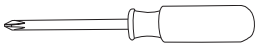
Details	Detail pos.	Detail no.	Unit
Rear wheel cover	45	900000061	2

Rear wheel cover

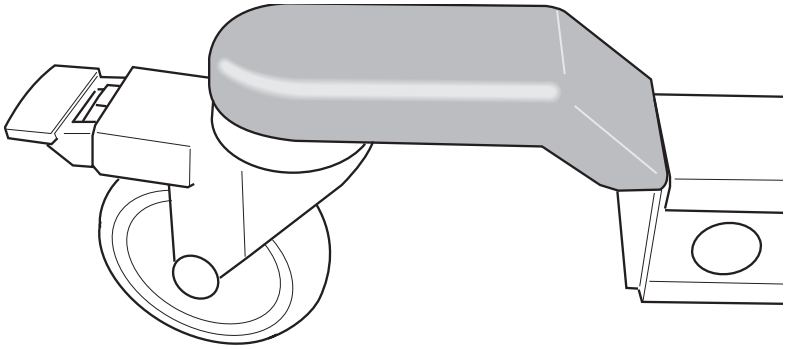
Part. no. 20090037

Serial no..... Version..... Release .....

Tools required:



1.



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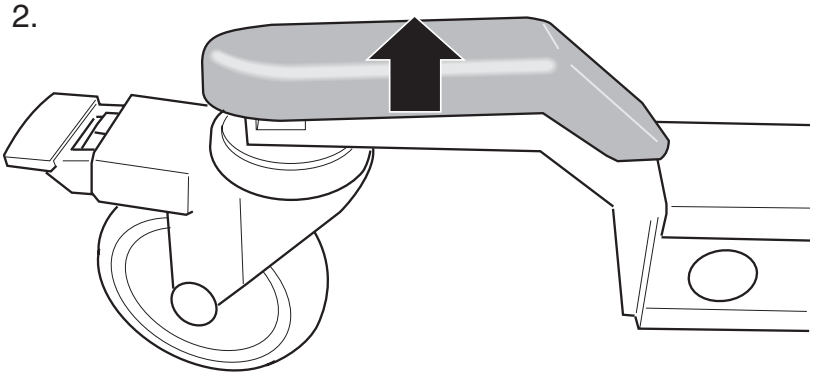


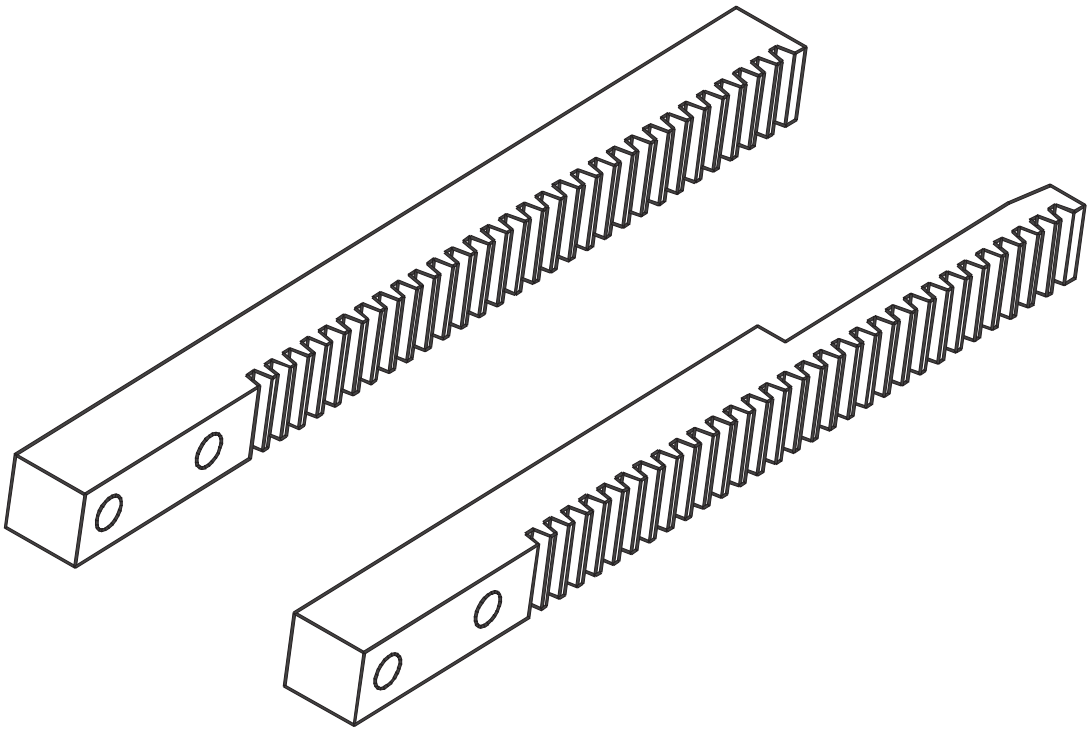
Liko

Spareparts Specification

Gear rack set

Part. no. 20090038

Serial no..... Version..... Release .....



All details according to drawing no. R 4911135-2

Details	Detail pos.	Detail no.	Unit
Gear rack	11	90181701-1	1
Gear rack Golvo	130	90181701-2	1

Details	Detail pos.	Detail no.	Unit
Locking Nut M8 Nyloc	32	930000091	4
Screw MC6S M8x22 low	34	930000093	4

Gear rack set

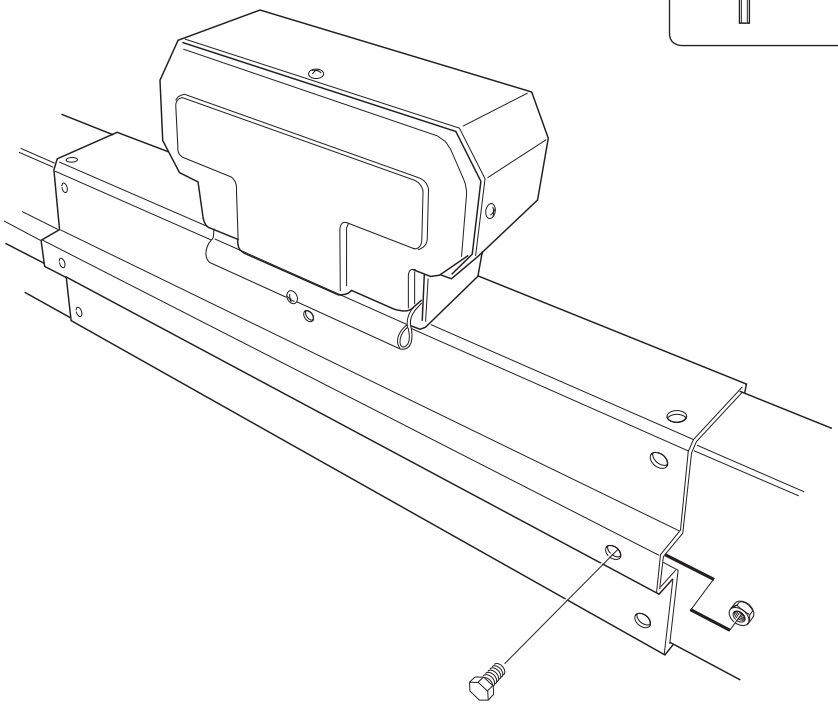
Part. no. 20090038

Tools required:

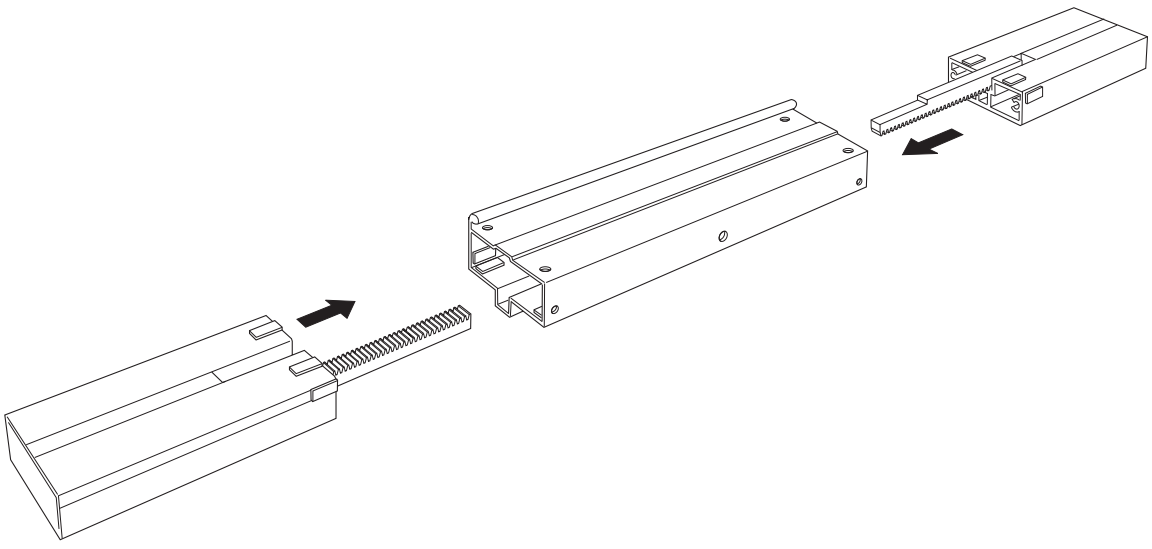
13 mm

5 mm

1.



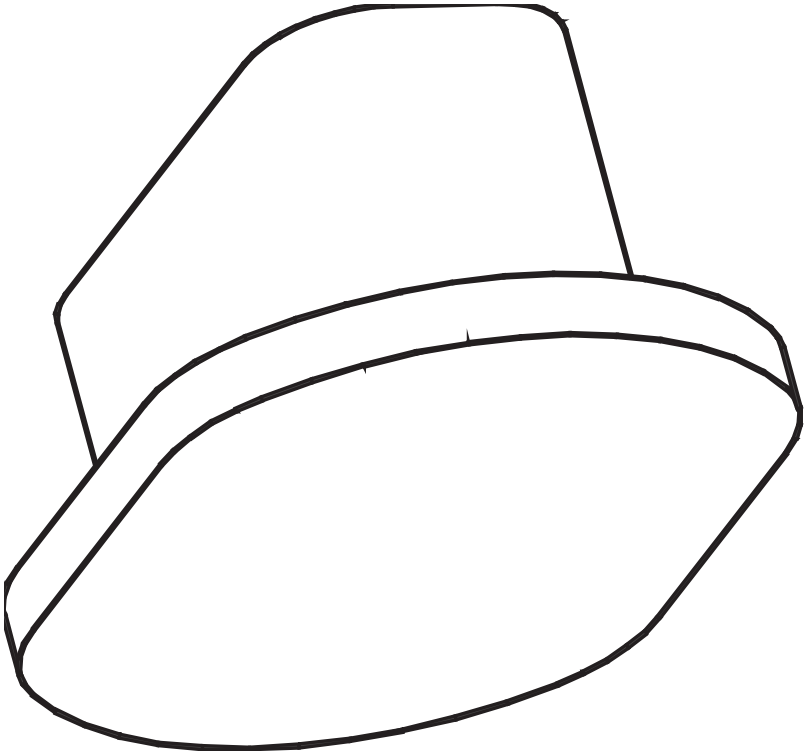
2.



End cover handle/armsupport

Part.no. 20090039

Serial no..... Version..... Release .....



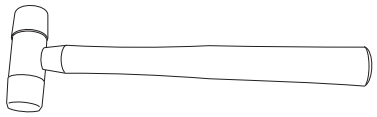
All details according to drawing no. R 4911141-b

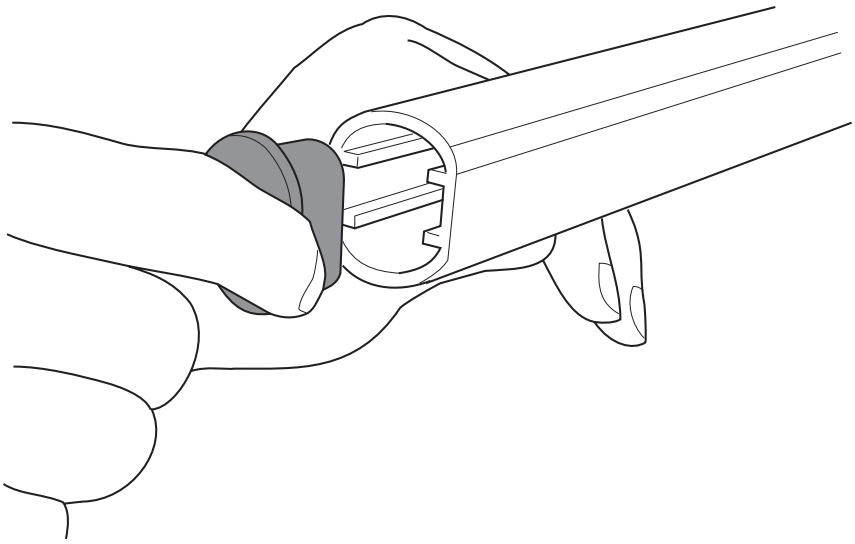
Details	Detail pos.	Detail no.	Unit
End cover handle/armsupport	106	900000157	4

End cover handle/armsupport

Part. no. 20090039

Tools required:





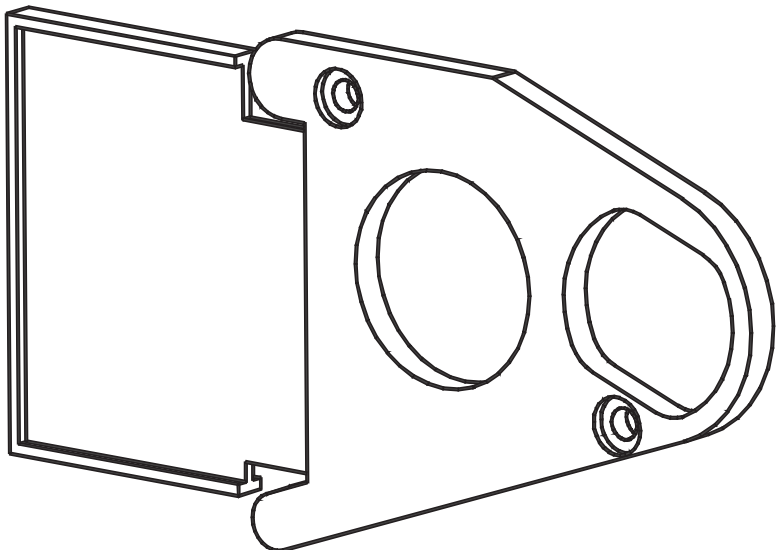
Liko

Spareparts Specification

End cover armrest

Part. no. 20090040

Serial no..... Version..... Release .....



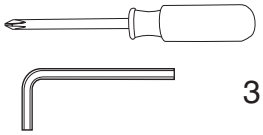
All details according to drawing no. R 4911141-b

Details	Detail pos.	Detail no.	Unit
End cover armrest	105	900000156	2
MRX M5*10 Ezloc	109	930000159	4
BRB 5,3*10*1	123	930000164	4

End cover armrest

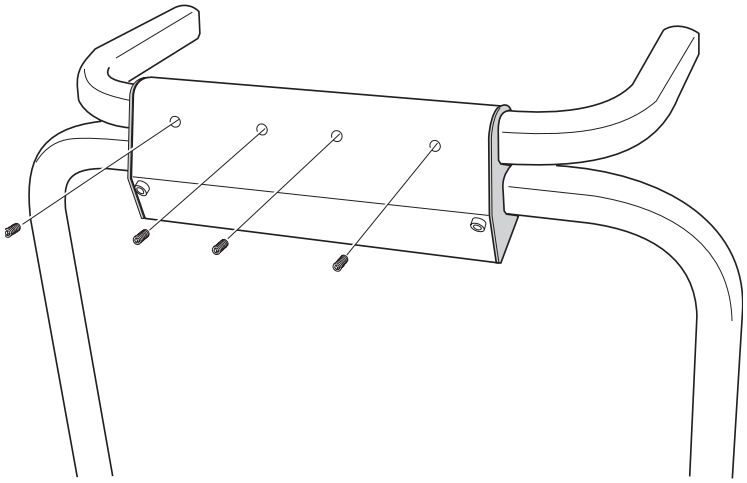
Part. no. 20090040

Tools required:

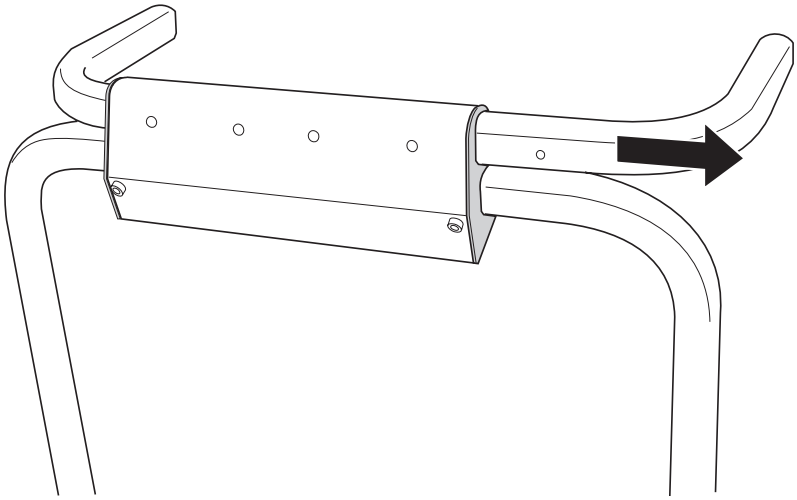


3 mm

1.



2.



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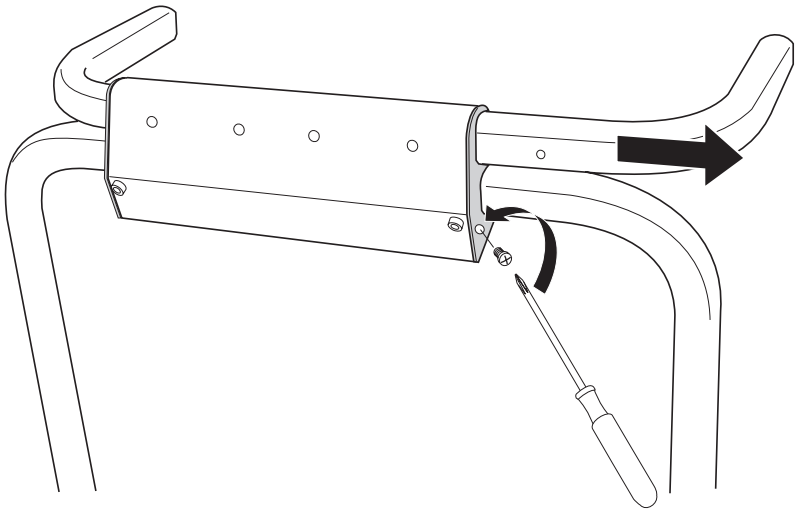
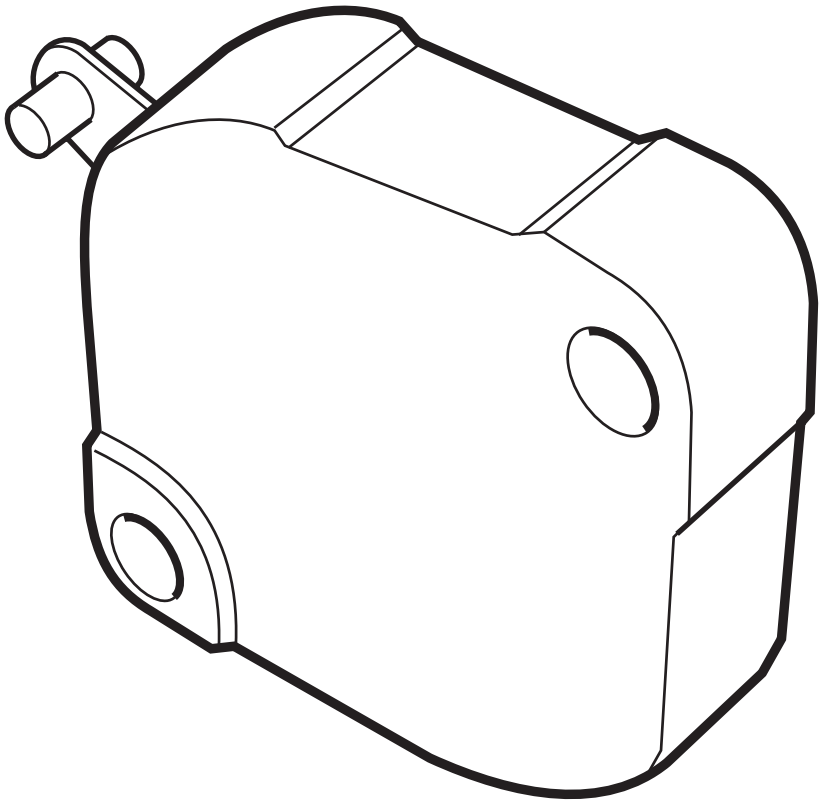


Spring magazine

Part. no. 20090041

Serial no..... Version..... Release .....



All details according to drawing no. R 3961203

Details	Detail pos.	Detail no.	Unit
Spring Holder KPL	1	20090041	1

Liko

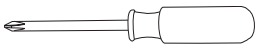
4.36.1

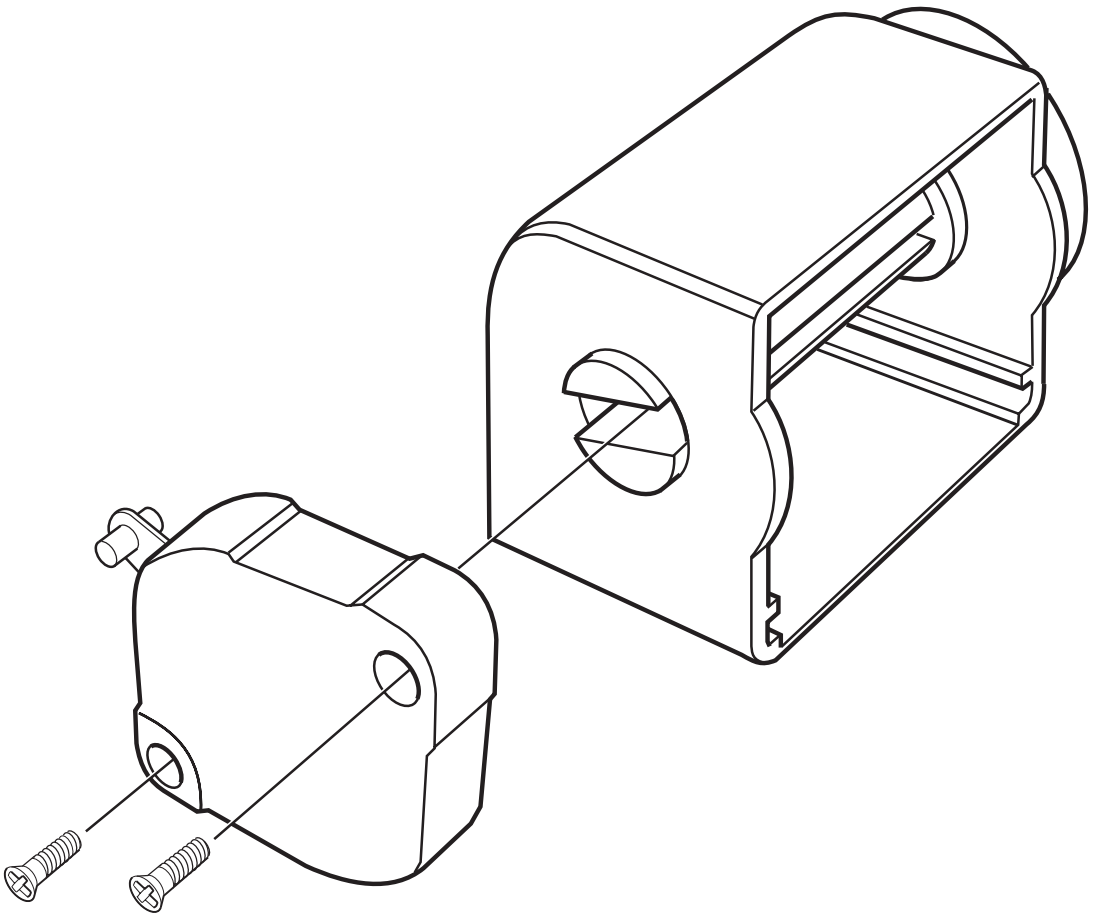
Assembly Instructions/Exchange

Spring magazine

Part. no. 20090041

Tools required:





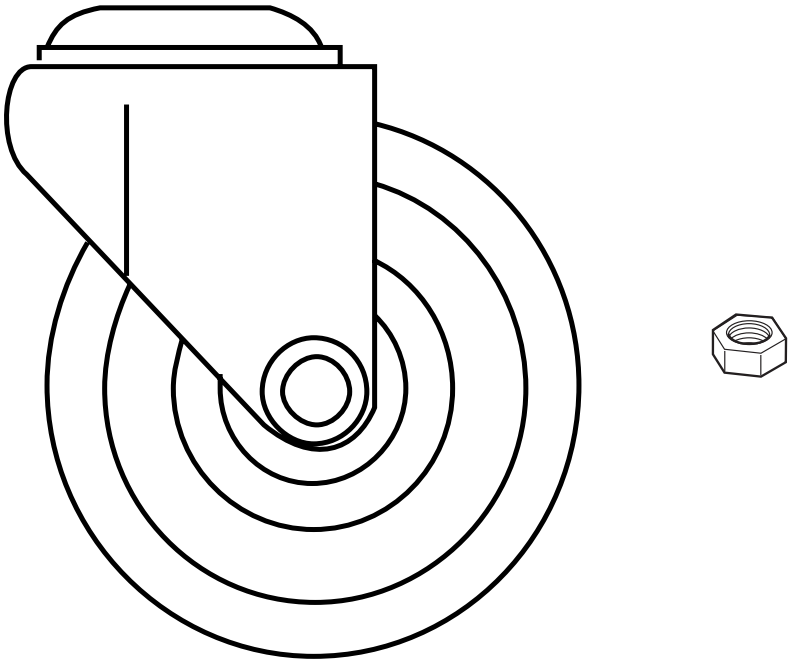
Liko

Spareparts Specification

Frontwheel 50 mm

Part. no. 20090042

Serial no..... Version..... Release .....



All details according to drawing no. R 4911138-d

Details	Detail pos.	Detail no.	Unit
Twin wheel D=50mm	41	910000500	1
Locking Nut M10 Nyloc	43	930000010	1

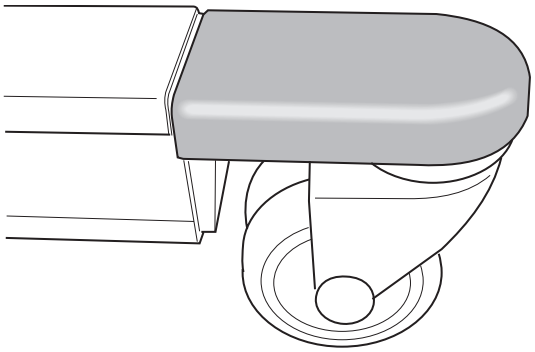
Frontwheel 50 mm

Part. no. 20090042

Tools required:

17 mm

1.



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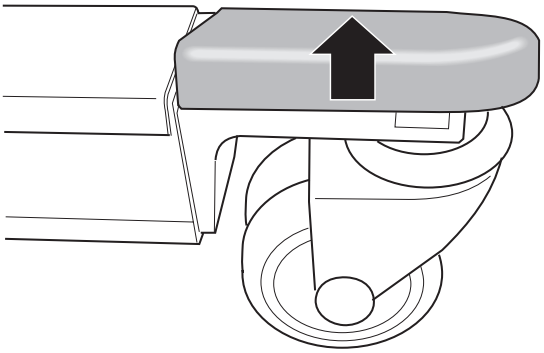

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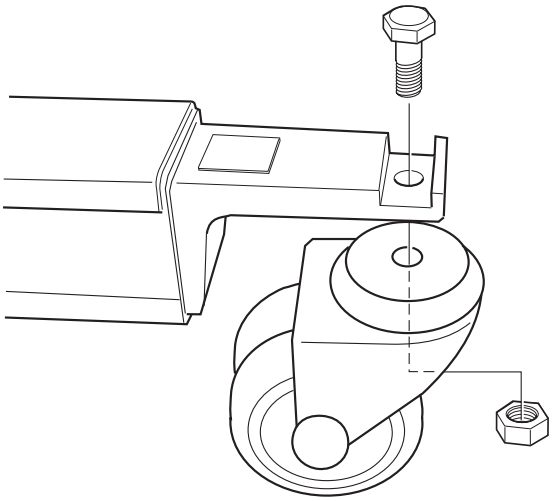


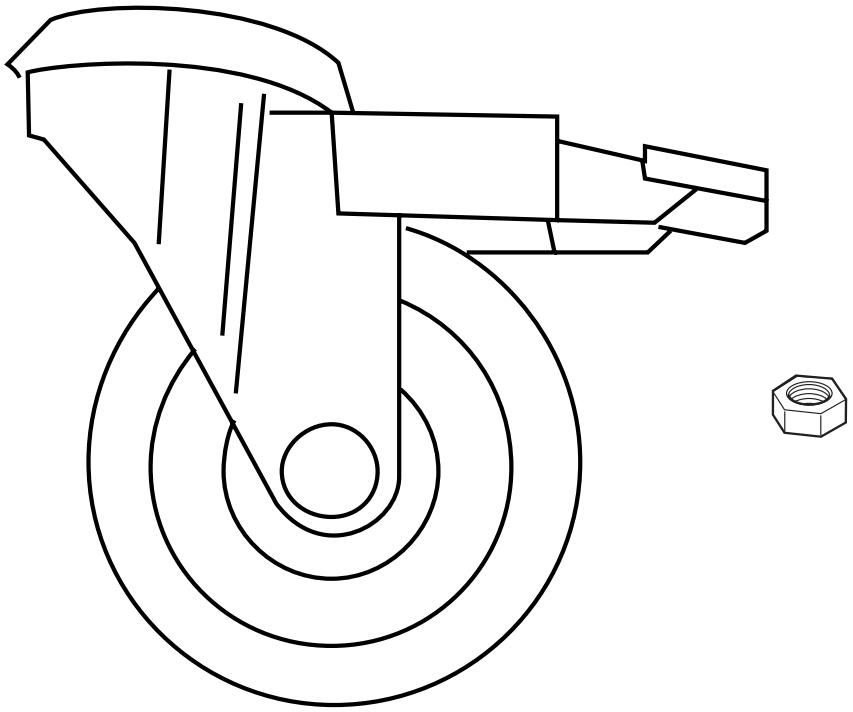
Liko

Spareparts Specification

Frontwheel 100 mm

Part. no. 20090043

Serial no..... Version..... Release .....



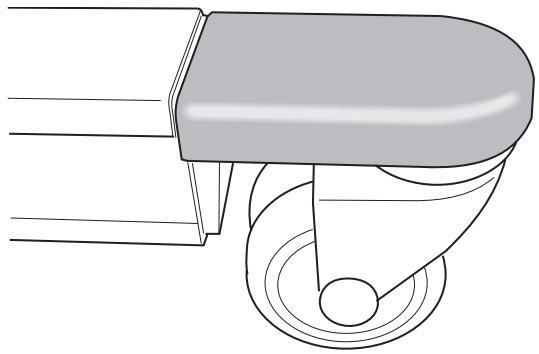
All details according to drawing no. R 4911138-d

Details	Detail pos.	Detail no.	Unit
Lockable wheel D=100mm	41	910000502	1
Locking Nut M10 Nyloc	43	930000010	1

Frontwheel 100 mm

Part. no. 20090043

1.



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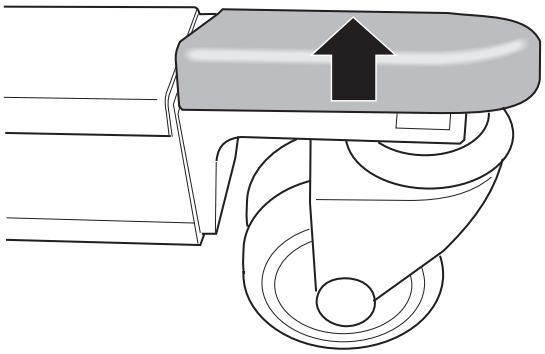
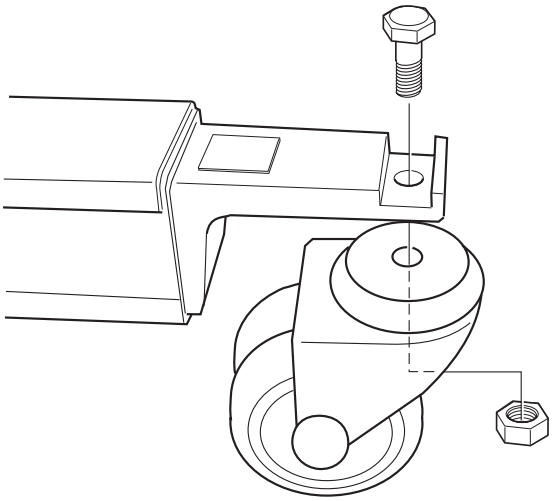


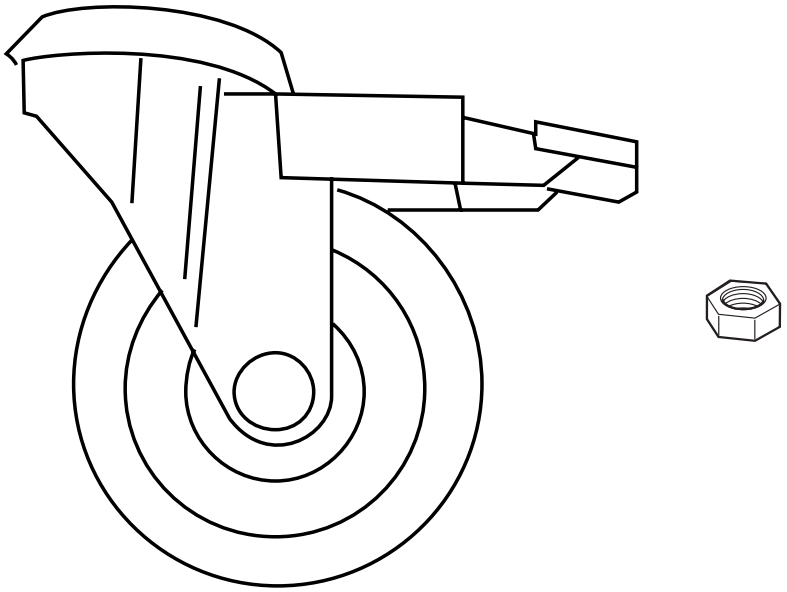
3.



Rearwheel 75 mm

Part. no. 20090044

Serial no..... Version..... Release .....



All details according to drawing no. R 4911138-d

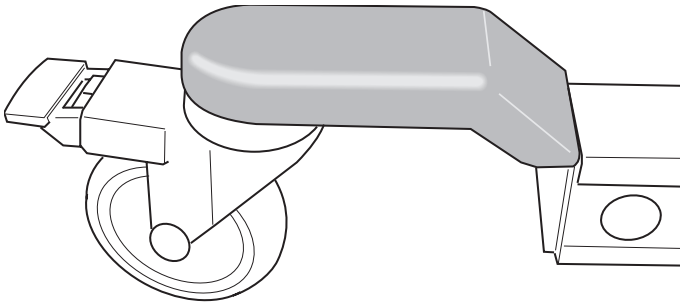
Details	Detail pos.	Detail no.	Unit
Lockable wheel Ø =75mm	40	910000501	
Locking nut M12 Nyloc	43	930000056	1

Wheel dist. Gray Ø=12mm.

Rearwheel 75 mm

Part. no. 20090044

1.



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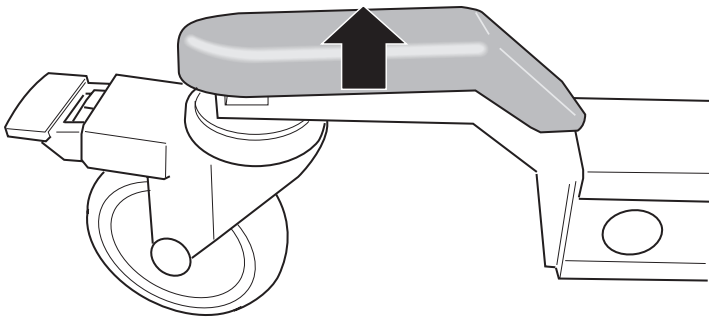

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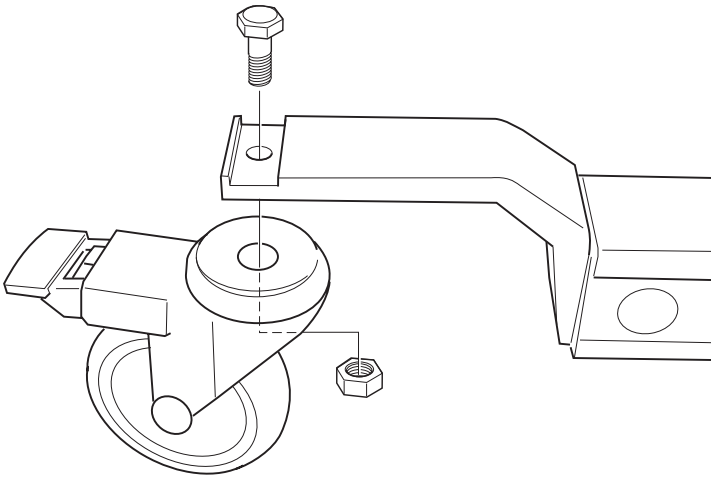
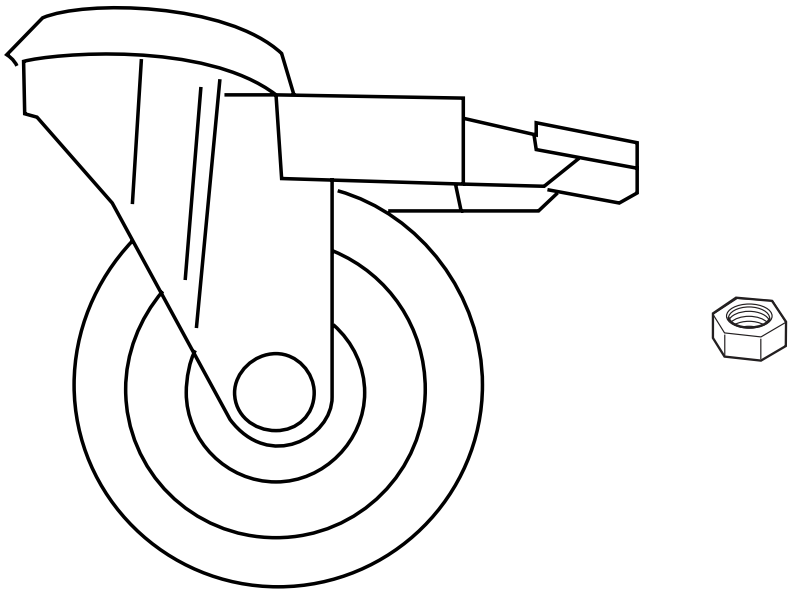


Rearwheel 125 mm

Part. no. 20090045

Serial no..... Version..... Release .....



All details according to drawing no. R 4911138-d

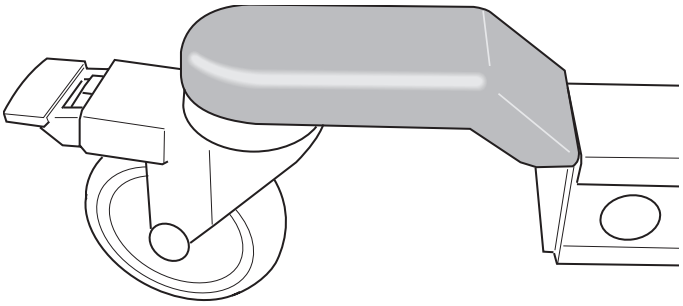
Details	Detail pos.	Detail no.	Unit
Lockable wheel Ø=125mm	40	910000503	1
Locking nut M12 Nyloc	42	930000056	1

Wheel dist. Gray Ø=12mm.

Rearwheel 125 mm

Part. no. 20090045

1.



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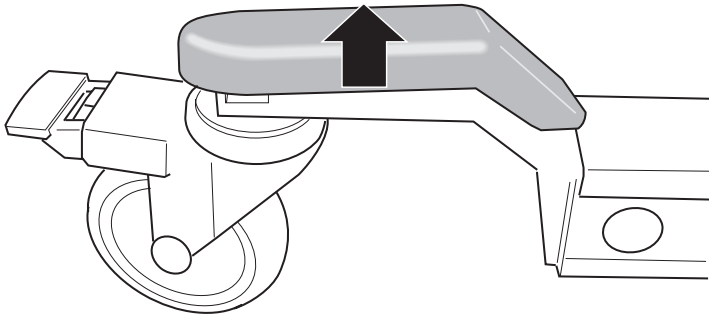

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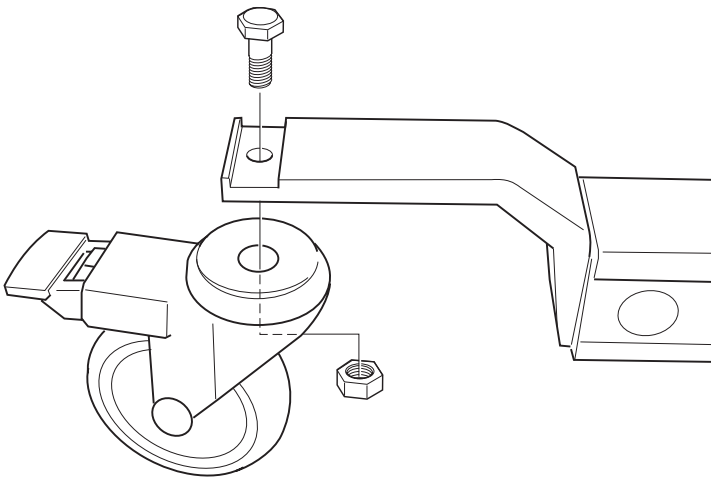


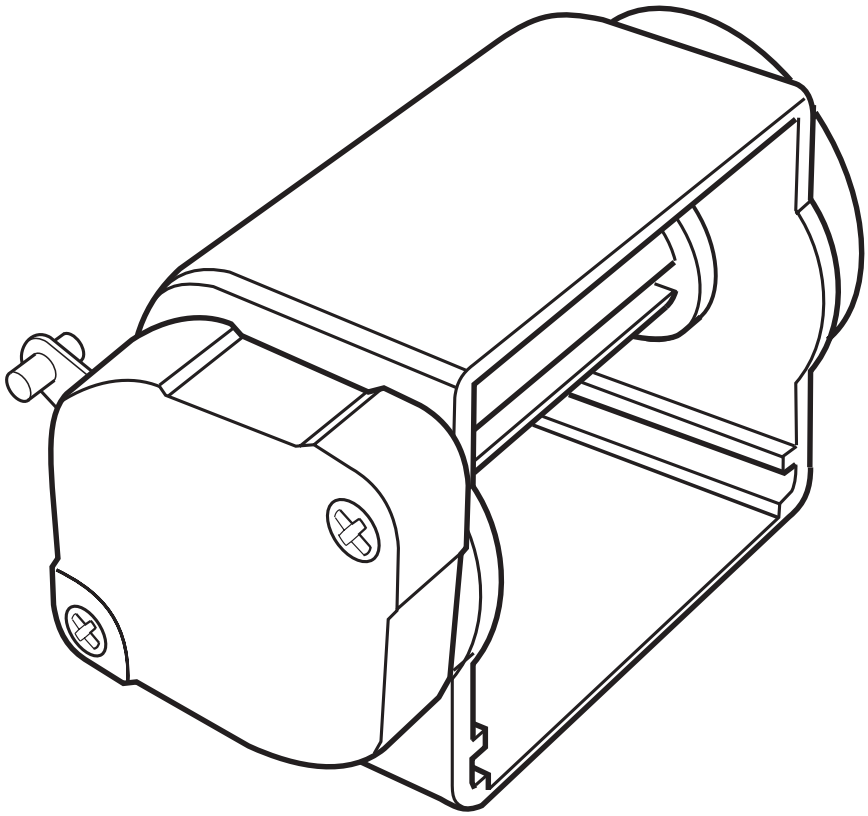
Liko

Spareparts Specification

Plastic housing

Part. no. 31190008

Serial no..... Version..... Release .....



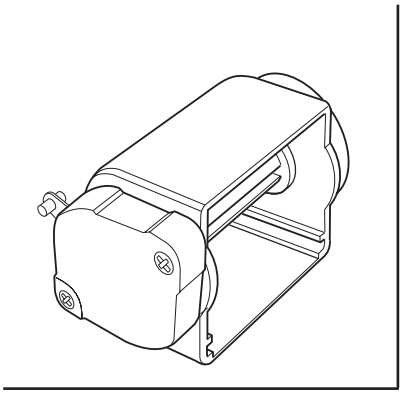
All details according to drawing no. R 3961203

Details	Detail pos.	Detail no.	Unit
Spring Holder KPL	1	900000106	1
Pin 3*48	7	900000570	1
Plastic Housing	4	901891202	1
Strap shaft	3	901901202	1

Details	Detail pos.	Detail no.	Unit
Wheel (right)	9	901912022	1
Screw K6S M5*12	10	930000082	1
Screw KXT B4x9,5	2	930000107	2

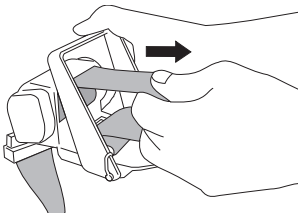
Plastic housing

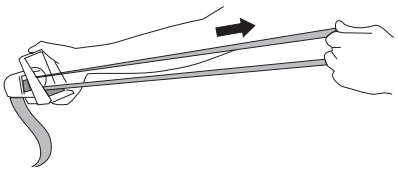
Part. no. 31190008



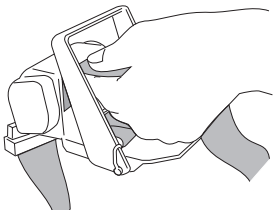
Tools required:

13 mm

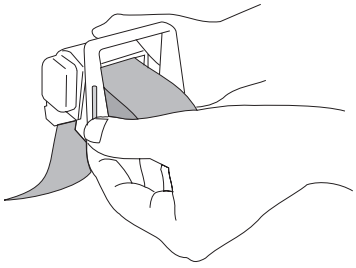




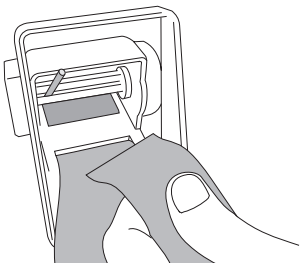
1. Pull the strap all the way out.



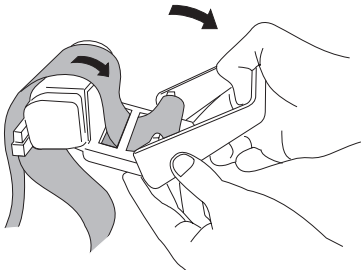
2. Hold the springloaded wheel and release the strap by removing the pin.



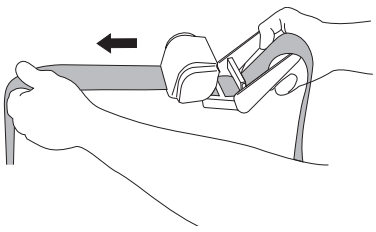
3. Remove the pin. △ Do not let go of the springloaded wheel, since the tension will release.



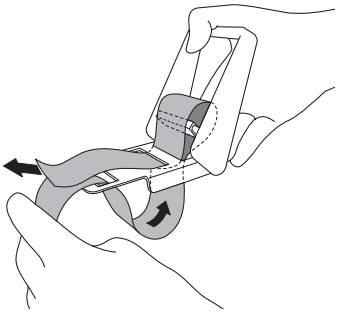
4. Use the pin to lock the axle where the strap was mounted.



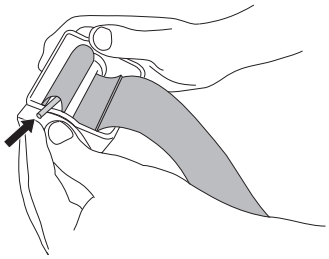
5. Push the emergency lowering handle down and pull the strap away.



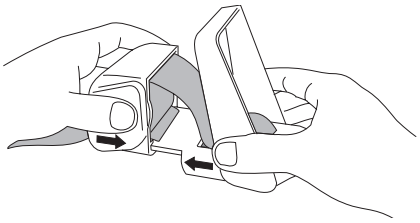
6. Pull the rest of the strap out and remove the plastic housing.



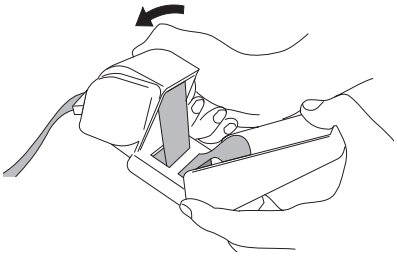
7. Mount the new strap through the plastic housing with the red mark towards the plastic housing and then as shown above.



8. Mount the strap through the slot in the axle and the same way back. **Note!** The axle has two different sides. Place the pin as shown to lock the strap.△ Do not let go of the springloaded wheel, since the tension will release.



9. Push the plastic housing on to the strap joint.



10. Roll the strap up until the red mark reaches the plastic housing.

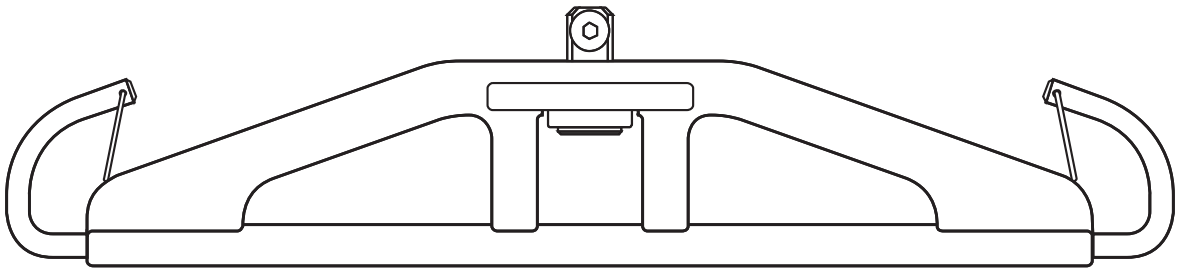
Liko

Spareparts Specification

Slingbar Universal 450

Part. no. 3156001

Serial no..... Version..... Release .....



Details	Detail pos.	Detail no.	Unit
Body (slingbar)		901891210	1
Safety Latch		900000177	2
Center Bolt Slingbar		901953162	1
Bearing Uni Slingbar 51104		920000178	1

Details	Detail pos.	Detail no.	Unit
Cover bearing Uni Slingbar		901495317	1
O-ring 16*4,5		930000182	1
K6S M10*25		930000179	1
Locking nut M10 Nyloc		930000010	1

Liko

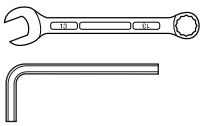
4.86.1

Assembly Instructions/Exchange

Slingbar Universal

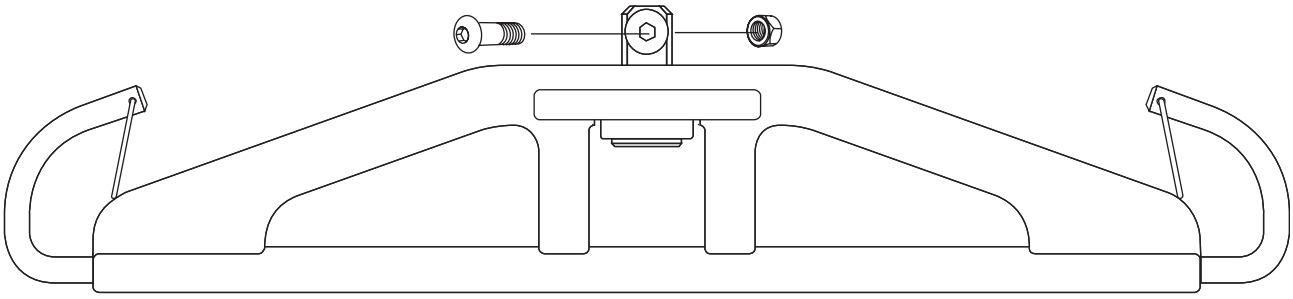
Part. no. 3156001

Tools required:



17 mm

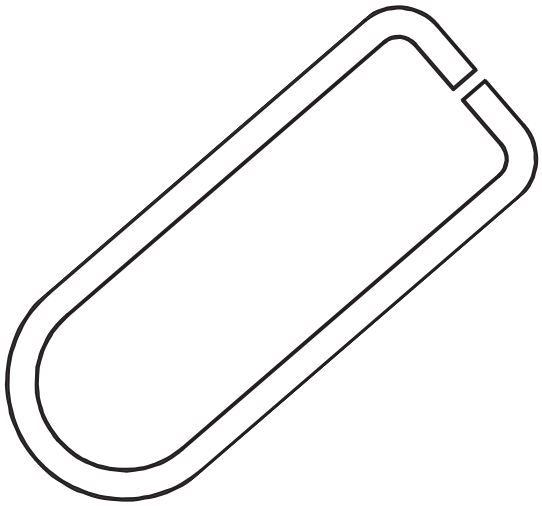
6 mm



Safety latch

Part. no. 31190018

Serial no..... Version..... Release .....



Details	Detail pos.	Detail no.	Unit
Safety latch		900000177	2

Liko

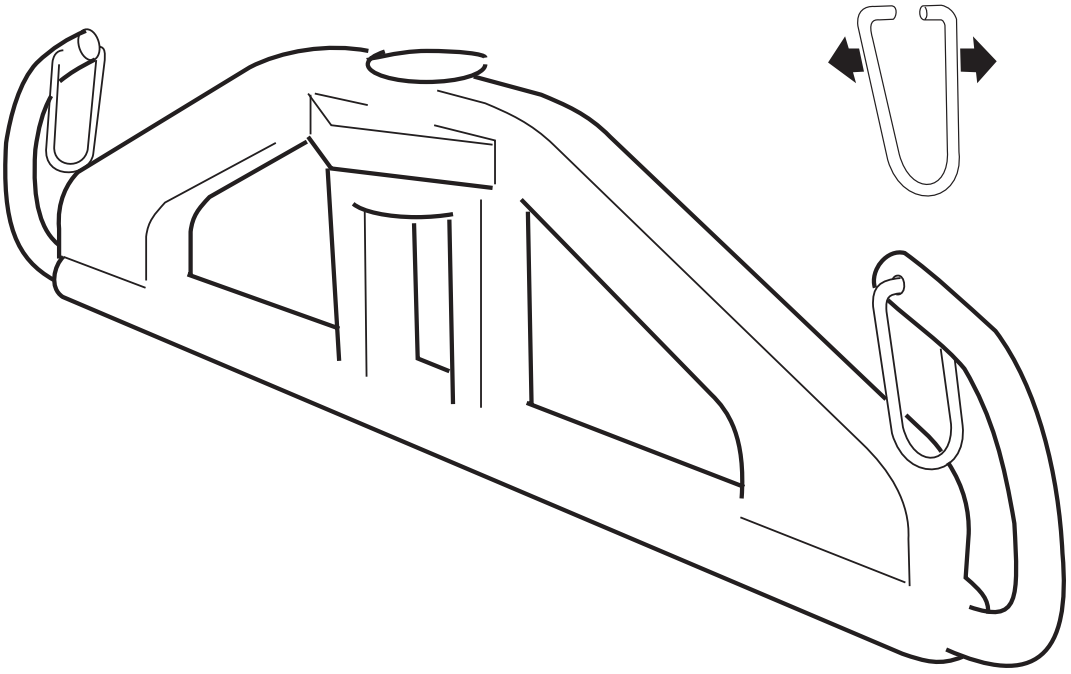
4.87.1

Assembly Instructions/Exchange

Safety latch

Part. no. 31190018

Tools required:



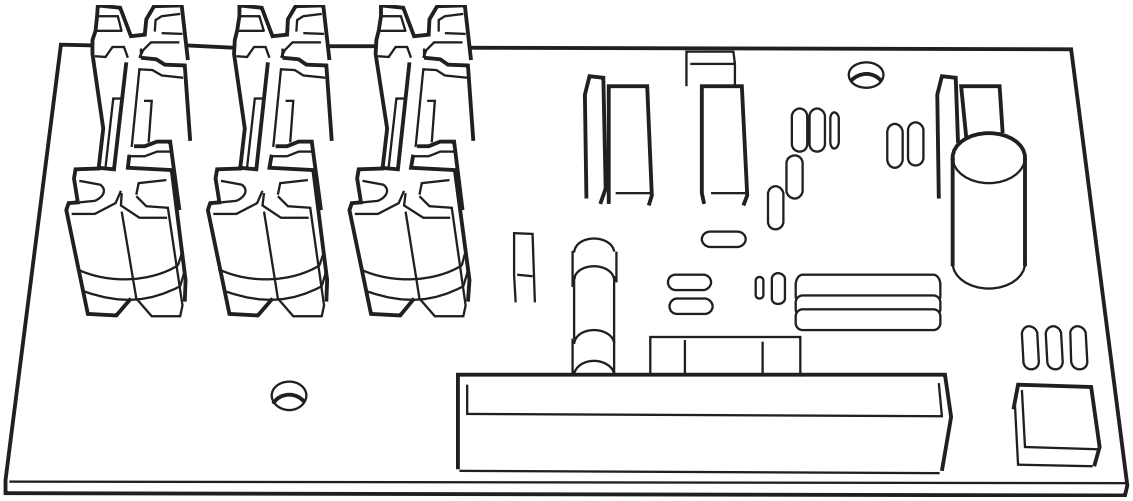
Liko

Spareparts Specification

Electronic card tyristor

Part. no. 950000130

Serial no..... Version..... Release .....



All details according to drawing no. R 4911140-c

Details	Detail pos.	Detail no.	Unit
Electronic card tyristor	96	950000130	

Liko

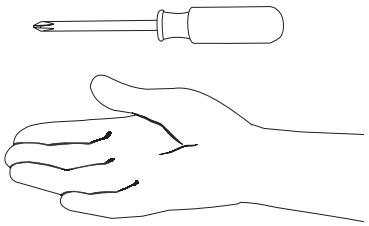
4.116.1

Assembly Instructions/Exchange

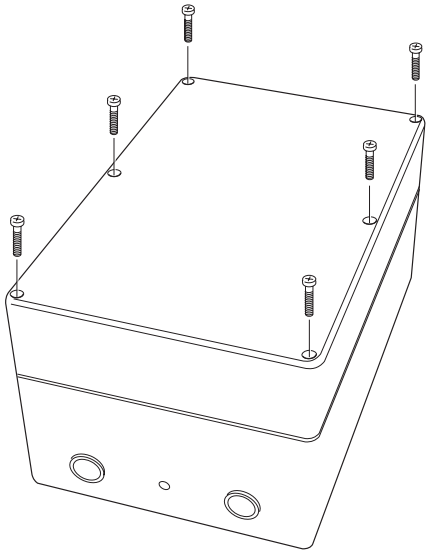
Electronic card tyristor

Part. no. 950000130

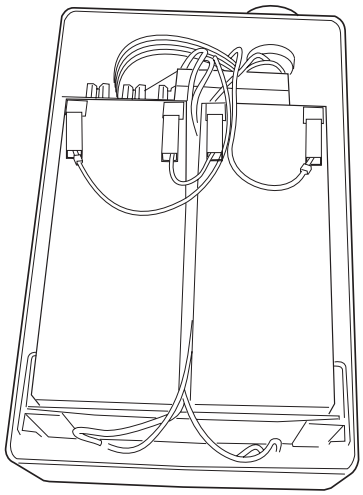
Tools required:



1.



2.



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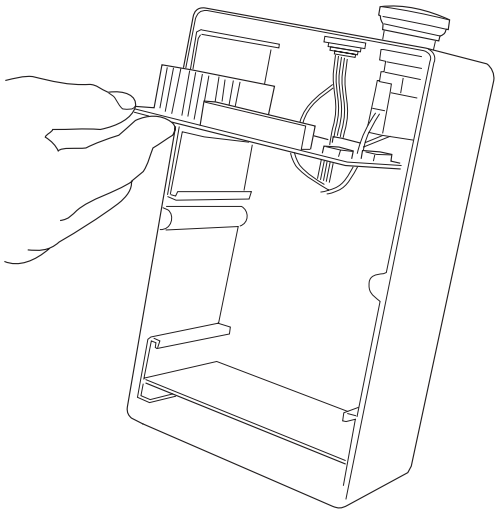

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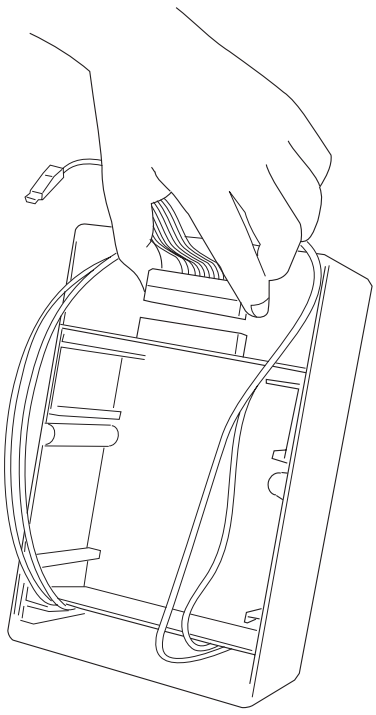


Handcontrol 4-button

Part. no. 3692112

Serial no..... Version..... Release .....

All details according to drawing no. R 4911140-c

Details	Detail pos.	Detail no.	Unit
Handcontrol, 4-button		3692112	1

Liko

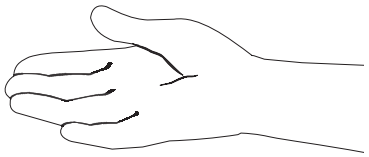
4.117.1

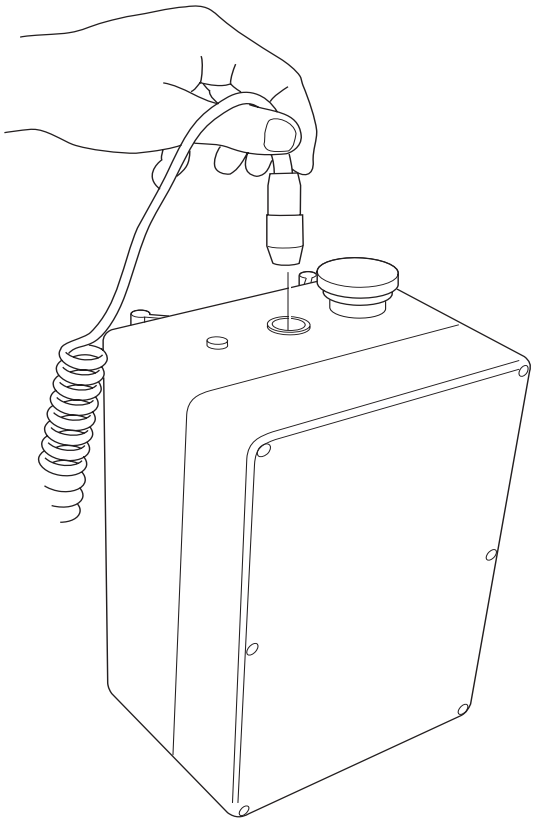
Assembly Instructions/Exchange

Handcontrol 4-button

Part. no. 3692112

Tools required:





Battery charger, EU

Part. no. 3126101

Serial no..... Version..... Release .....

Details	Detail pos.	Detail no.	Unit
Battery charger, EU		3126101	

Battery charger, UK

Part. no. 3126102

Serial no..... Version..... Release .....

Details	Detail pos.	Detail no.	Unit
Battery charger, UK		3126102	

Battery charger, US

Part. no. 3126103

Serial no..... Version..... Release .....

Details	Detail pos.	Detail no.	Unit
Battery charger, US		3126103	

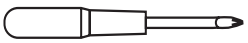
Liko

4.118-120.1

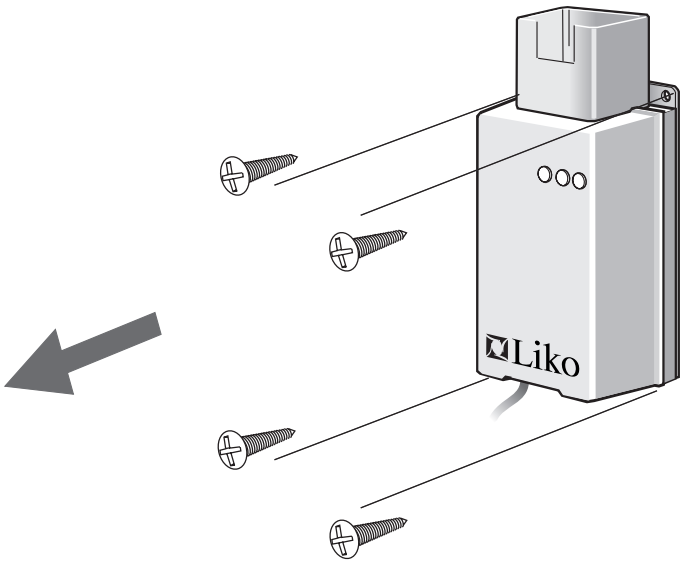
Assembly Instructions/Exchange

Battery charger

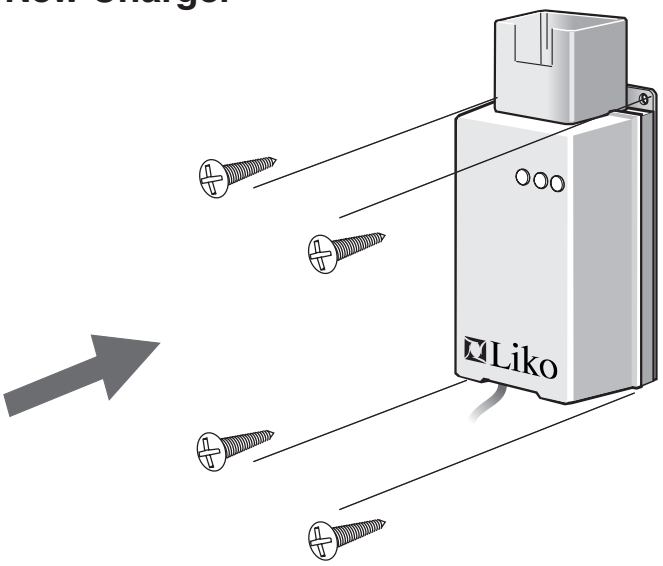
Tools required:



1. Old Charger



2. New Charger



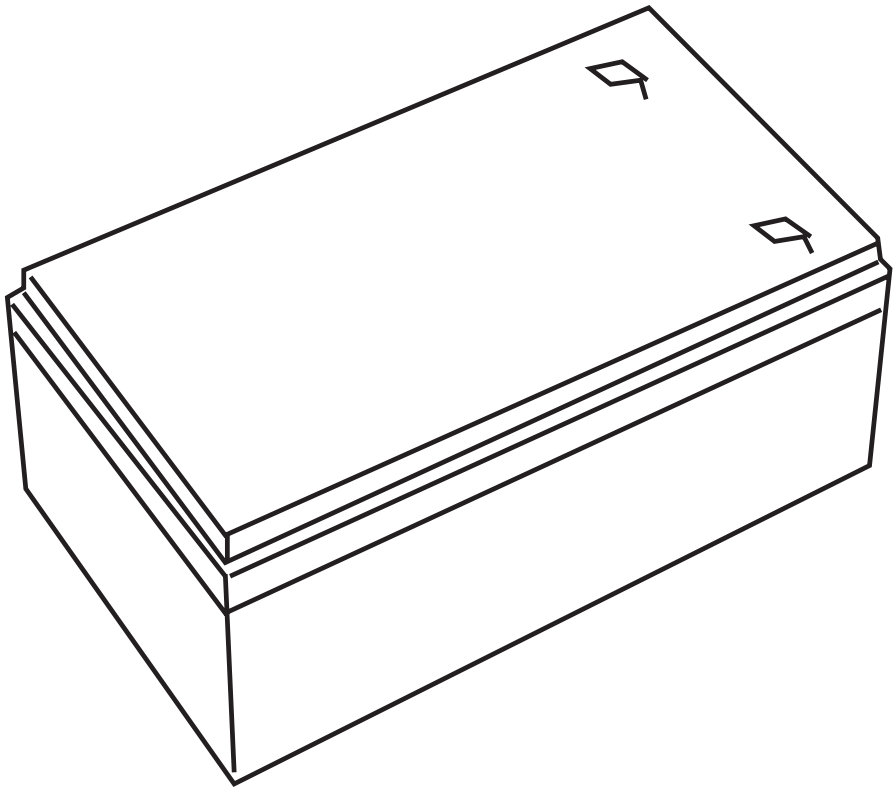
Liko

Spareparts Specification

Battery 6,5 Ah/12 V

Part. no. 950000134

Serial no..... Version..... Release .....



All details according to drawing no. R 4911140-c

Details	Detail pos.	Detail no.	Unit
Battery 6,5Ah/12V	96	950000134	2

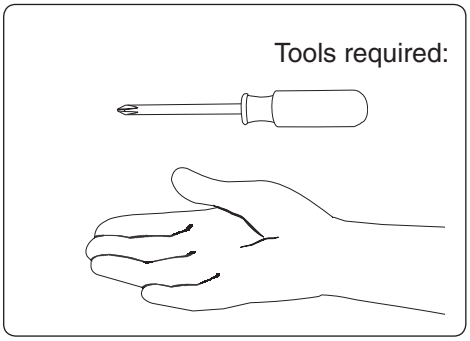
Liko

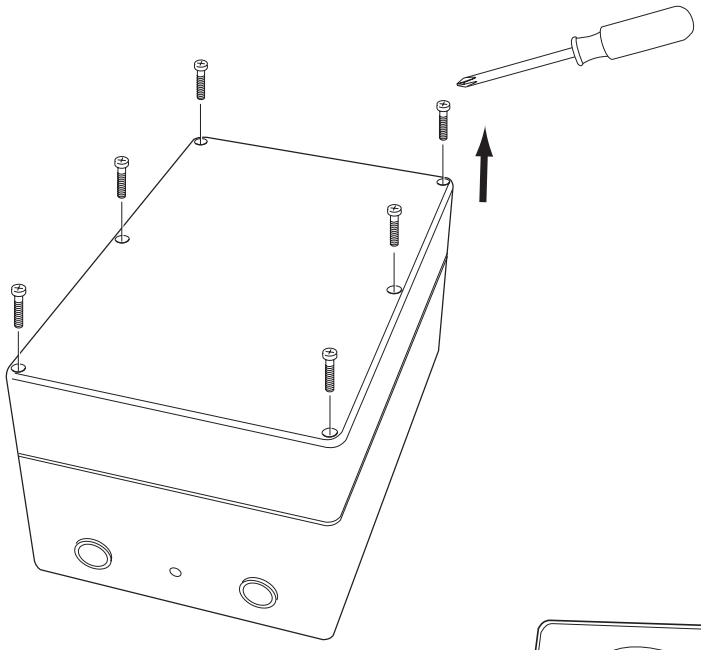
4.121.1

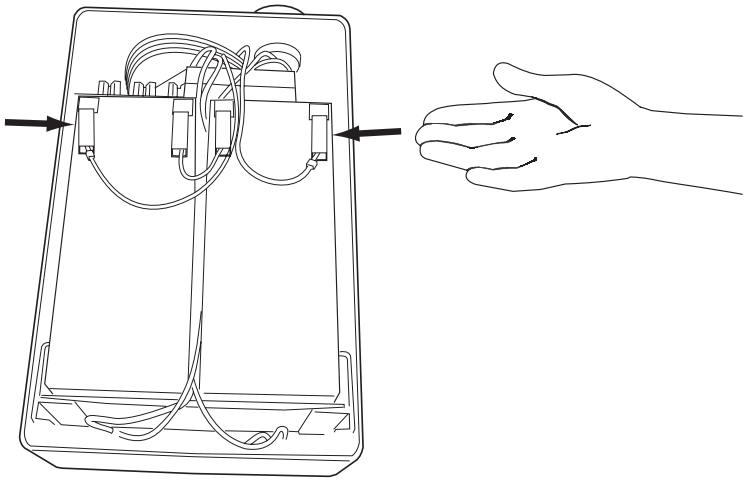
Assembly Instructions/Exchange

Battery 6,5 Ah/12 V

Part. no. 950000134



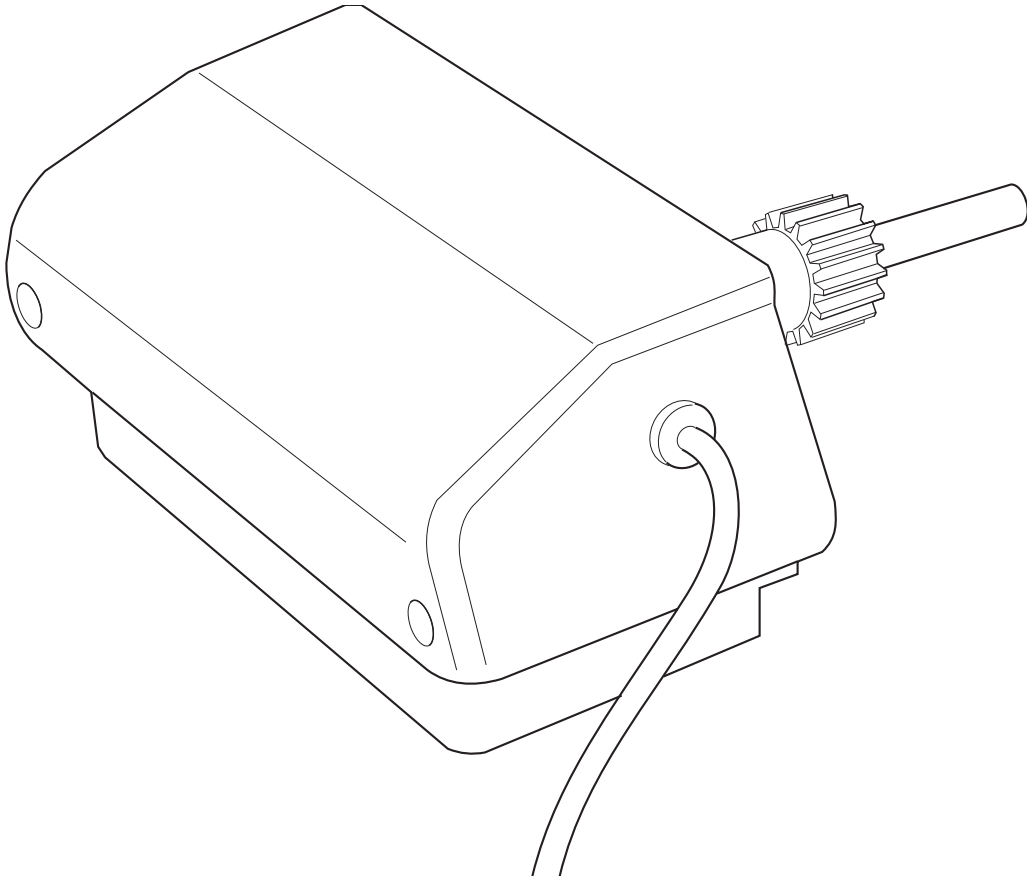




Motor for base width adjustment

Part. no.20090046

Ser.nr: 7021494/7722428 Version: V9 Release.....



All details according to drawing no. R 4991101-3

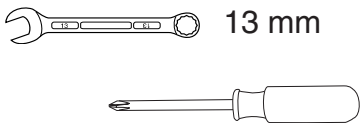
Details	Detail pos.	Detail no.	Unit
Plastic Bushing	20	900000088	1
Flanged slide bearing 12*15*5	3	920000075	2
Flanged slide bearing 10*12*6	4	920000082	2
Nylon bearing 15*18*5	5	921921150	1
SGA 12	17	930000074	2
WK 3*13	9	930000076	2
Shaft 12x181 G7-77	8	901111332	1
Bearing u-carriage.2 G7-77	11	901111342	1
Middle axle 10x46,7 G7-77	13	901971198	1
Woodruff key 6*28*2	21	930000085	1
Washer PVC 10*16*2	7	930000086	1
BRB 5,3*10*1	19	930000164	
Gear Wheel brass 14 M2	10	961111352	1

Details	Detail pos.	Detail no.	Unit
Motor attachment 3 G7-77	1	901811972	1
Motor ITT S404156 G7-77	2	940000004	1
Gear wheel 20M1 mod.2 G7-77	6	901113543	1
Gear wheel 60M1 mod.2 G7-77	12	901113541	1
Stepped spur gear 20/44M1 G7-77	14	901981199	1
Screw MC6S TT M5x12	15	930000234	3
Seeger-lock device SGA 10	16	930000250	2
Base motor hoodG7-77	18	900000390	1
Screw MRX M5x90	19	930000240	2
Motor cable u-carriage G7-77	22	950000054	1
Damper BumpOn SJ50	23	900000391	4
Flat key 3x3x25 SMS2306	24	930000243	1
Spacer PS 12x18x1	25	930000251	1

Motor for base width adjustment

Part. no.20090046

Tools required:



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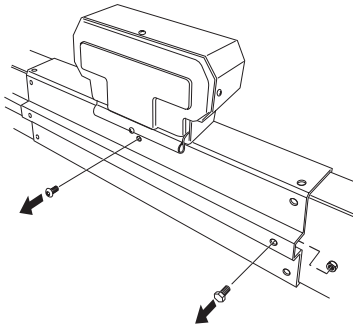

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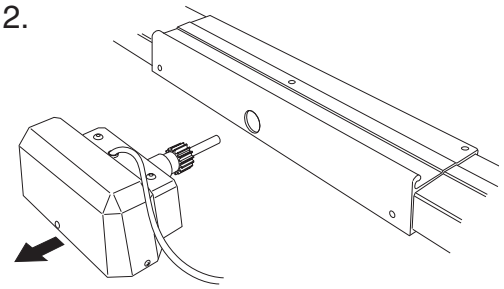

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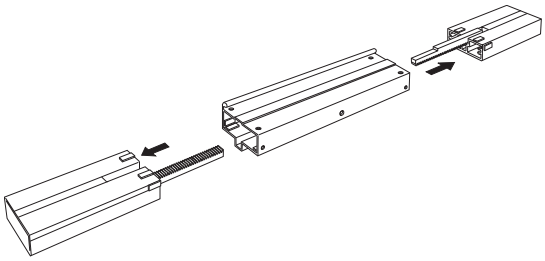
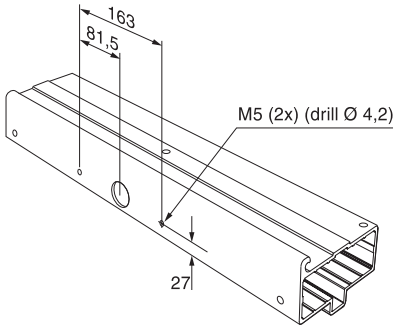


4. *Machining [mm]:*



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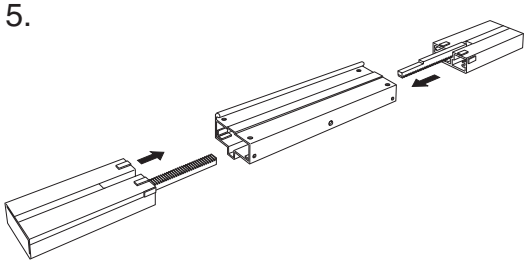

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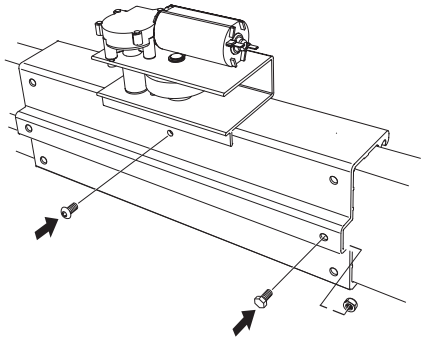

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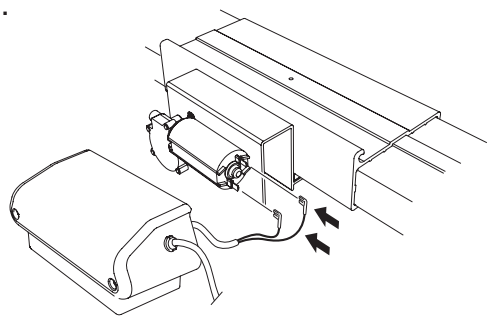

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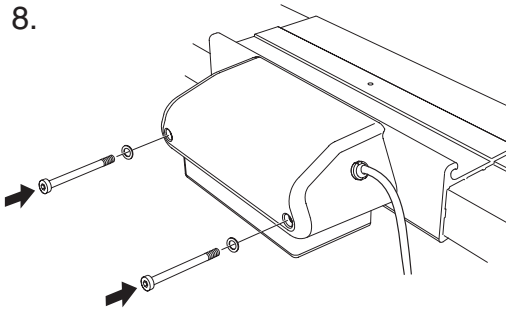
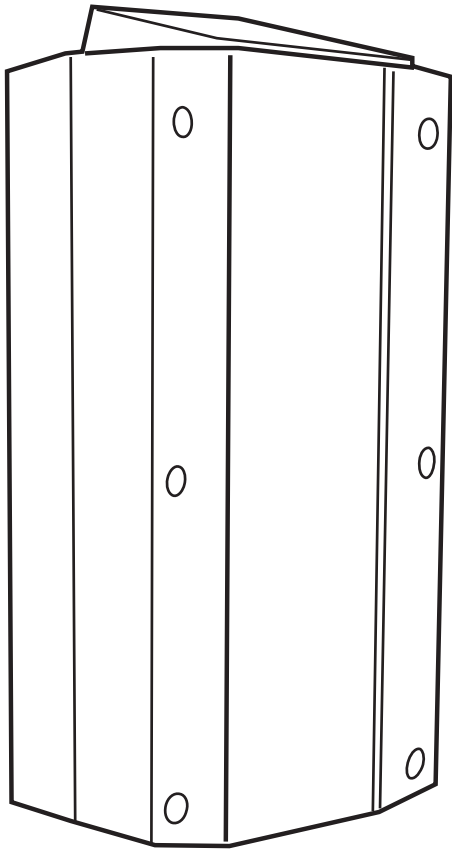


Batterybox

Part. no. 2006106

Serial no..... Version..... Release .....



All details according to drawing no. R 4911140-d

Details	Detail pos.	Detail no.	Unit.
Batterybox	20	950000044	1

Liko

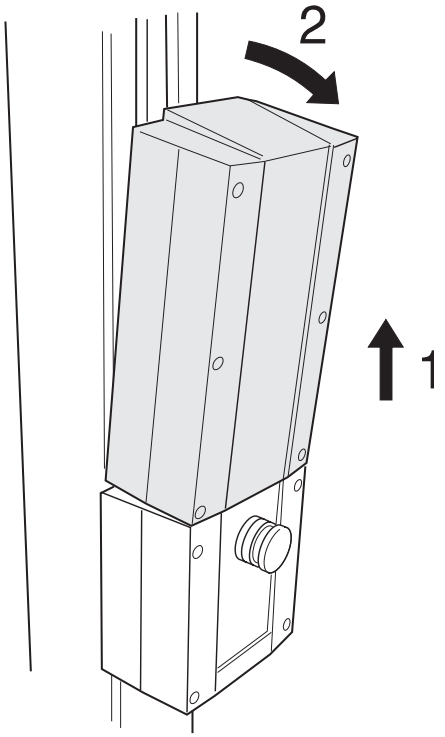
4.139.1

Assembly Instructions/Exchange

Batterybox

Part. no. 20090021

1.



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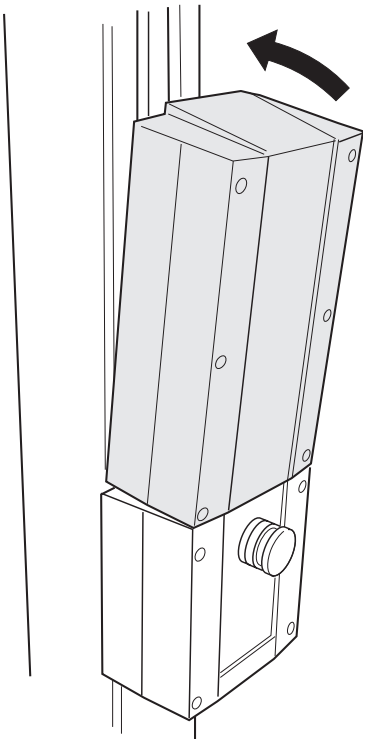

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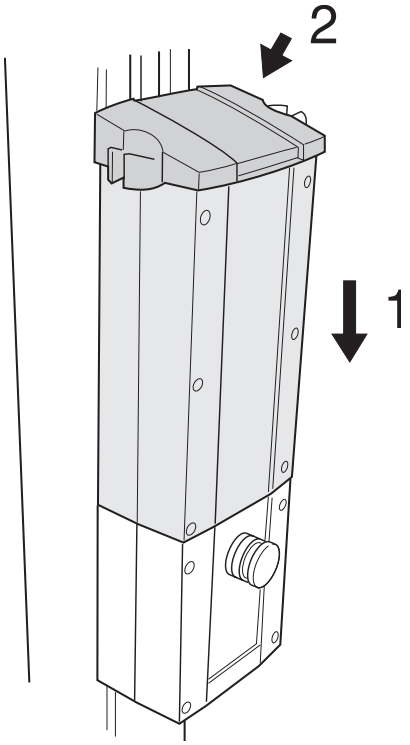


Old batteries are to be left to personal authorised by Liko, or at the nearest station for environmental recycling.

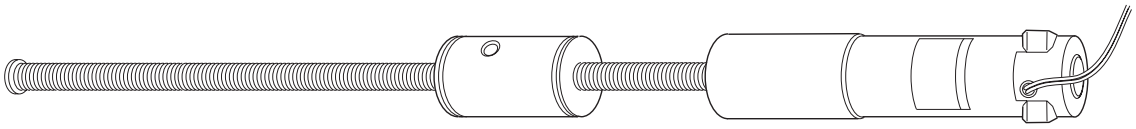
Liko

Spareparts Specification

Actuator G7-77

Part. no. 970000026

Serial no..... Version..... Release .....



All details according to drawing no. R 4911140-c

Details	Detail pos.	Detail no.	Unit
Actuator G7-77	140	970000026	1

Liko

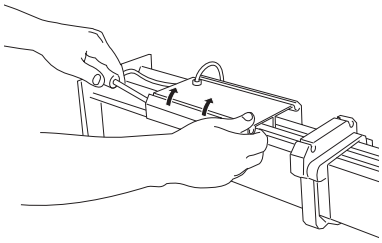
4.140.1

Assembly Instructions/Exchange

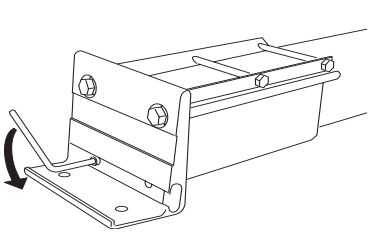
Actuator G7-77

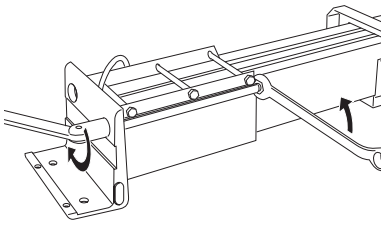
Part. no. 970000026

Tools required:

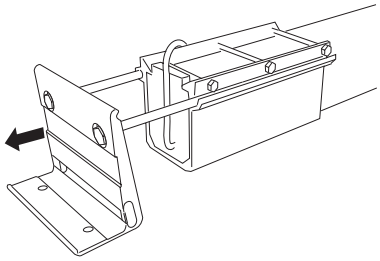


1. Remove the EB cover.

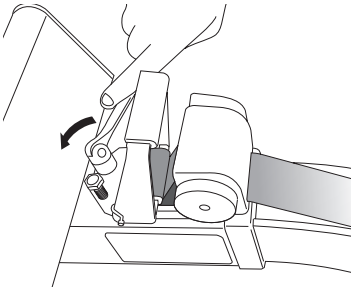




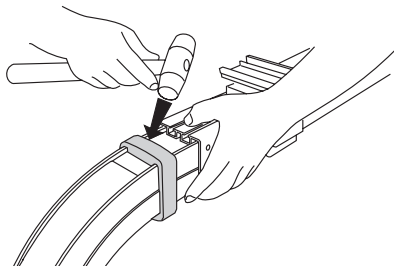
2. Remove the screws and the locking nut from the mast attachment.



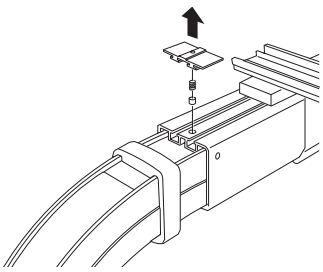
3. Remove the mast attachment.



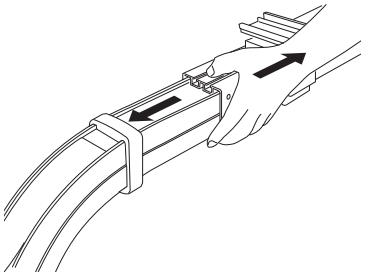
4. Remove the Emergency lowering device.



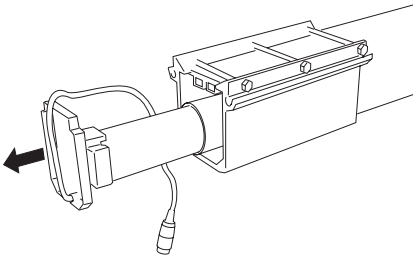
5. Unfix the screw and the plastic cover.



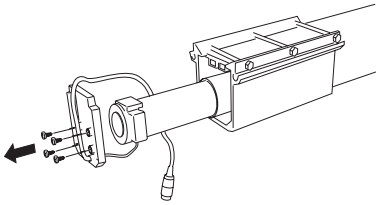
6. Unfix the aluminium holder



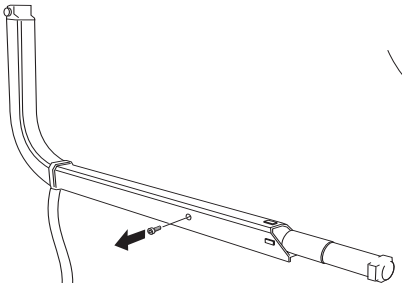
7. Unfix the spring and the slipper.

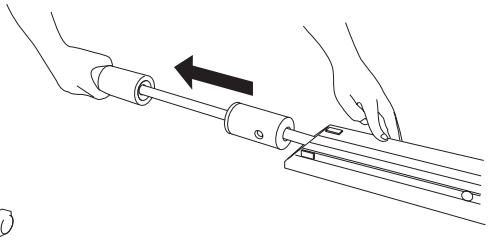


8. Push the innermast through the mast.



9. Remove the screws from the motorplate.





10. Remove the screws and the plastic casing. Pull out the actuator.

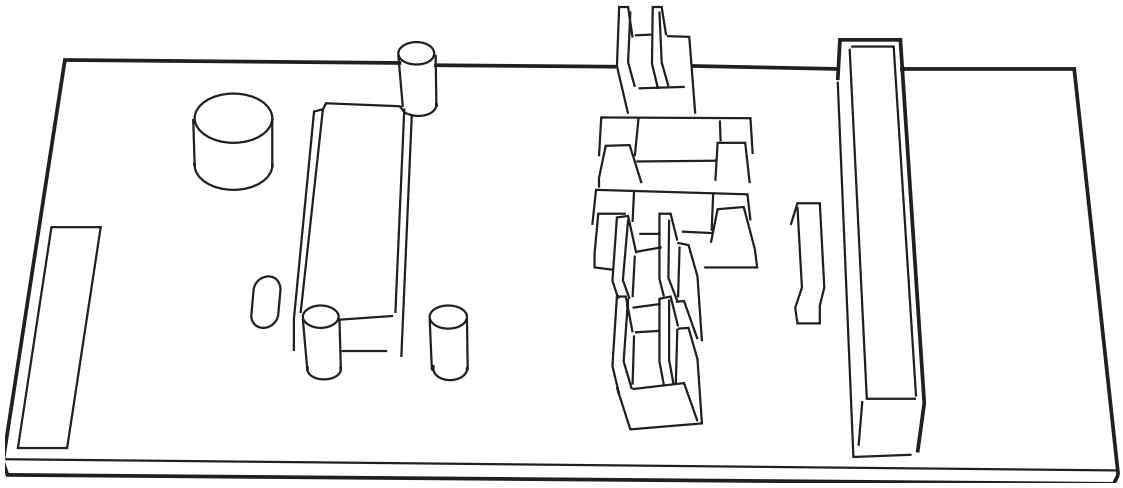
Liko

Spareparts Specification

Electronic card processor

Part. no.950000129

Serial no..... Version..... Release .....



All details according to drawing no. R 4911140-c

Details	Detail pos.	Detail no.	Unit
Electronic card processor	96	950000129	1

Liko

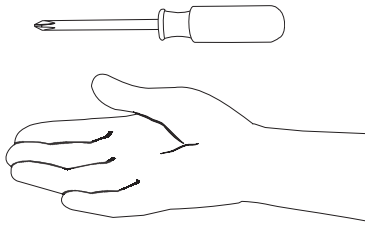
4.150.1

Assembly Instructions/Exchange

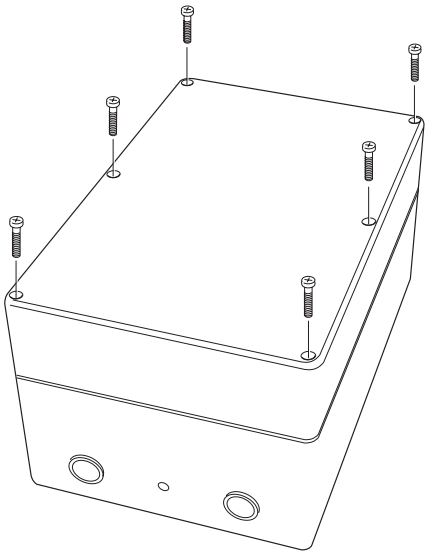
Electronic card processor

Part. no.950000129

Tools required:



1.



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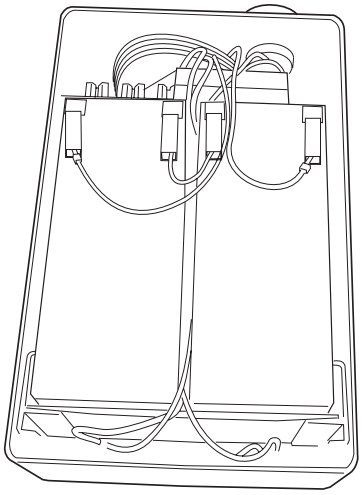

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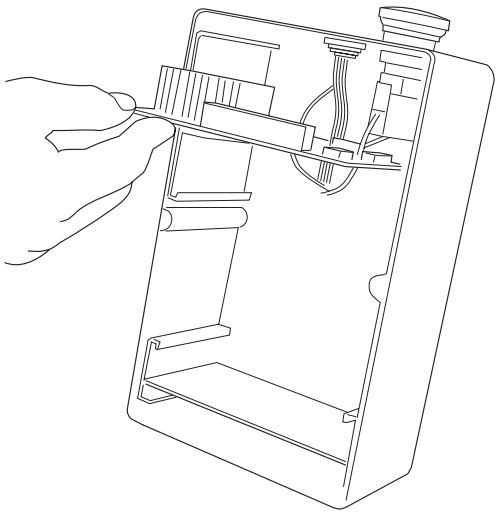

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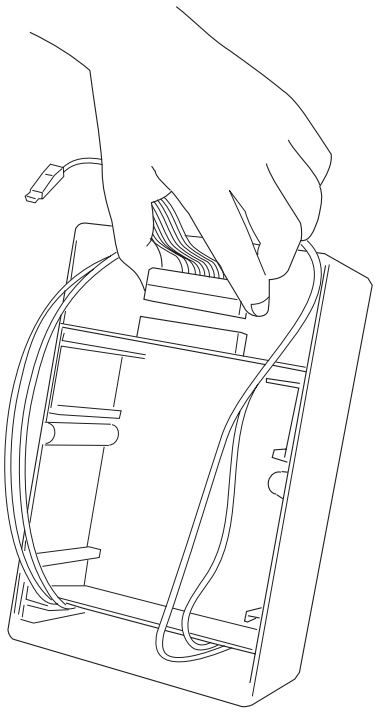
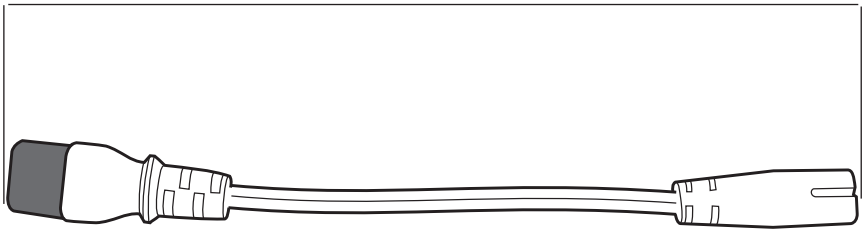


Extension cable

Part. no. 21090001

Serial no..... Version..... Release .....

Length 24 cm, 9,5 inche

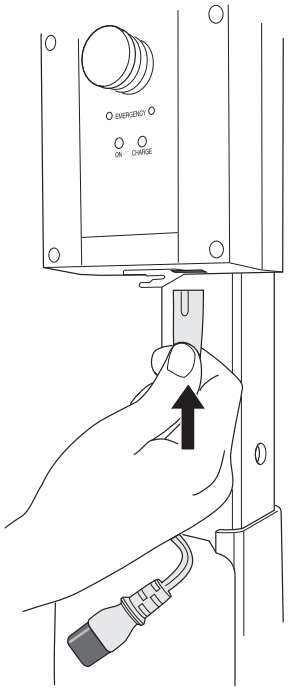


Details	Detail pos.	Detail no.	Unit
Extension cable		950000058	1

Extension cable

Part. no. 21090001

1.



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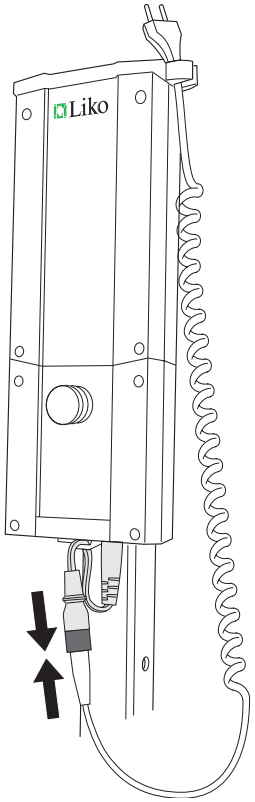

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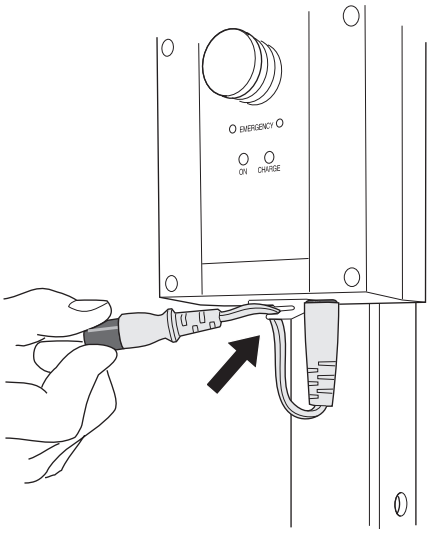


Troubleshooting GOLVO

The lift does not work up/down. Width adjustment does not work

1. Check that the emergency stop button is not pushed in.
2. Check that the cables are connected correctly.
3. Check that the battery is charged.
4. Check that the battery contact plate is not defective or broken off.
5. Check that the charging cable is not connected to the wall socket.
6. *If the lift still does not work satisfactory, contact Liko.*

Battery charging does not work.

1. Check that the emergency stop button is not pushed in.
2. Check that the battery contact plate is not defective or broken off.
3. *If the lift still does not work satisfactory, contact Liko.*

The lift stops in the elevated position.

1. Check that the emergency stop button is not pushed in.
2. Check that the battery is charged.
3. Use the emergency lowering device (marked). See page 10.
4. *If the lift still does not work satisfactory, contact Liko.*

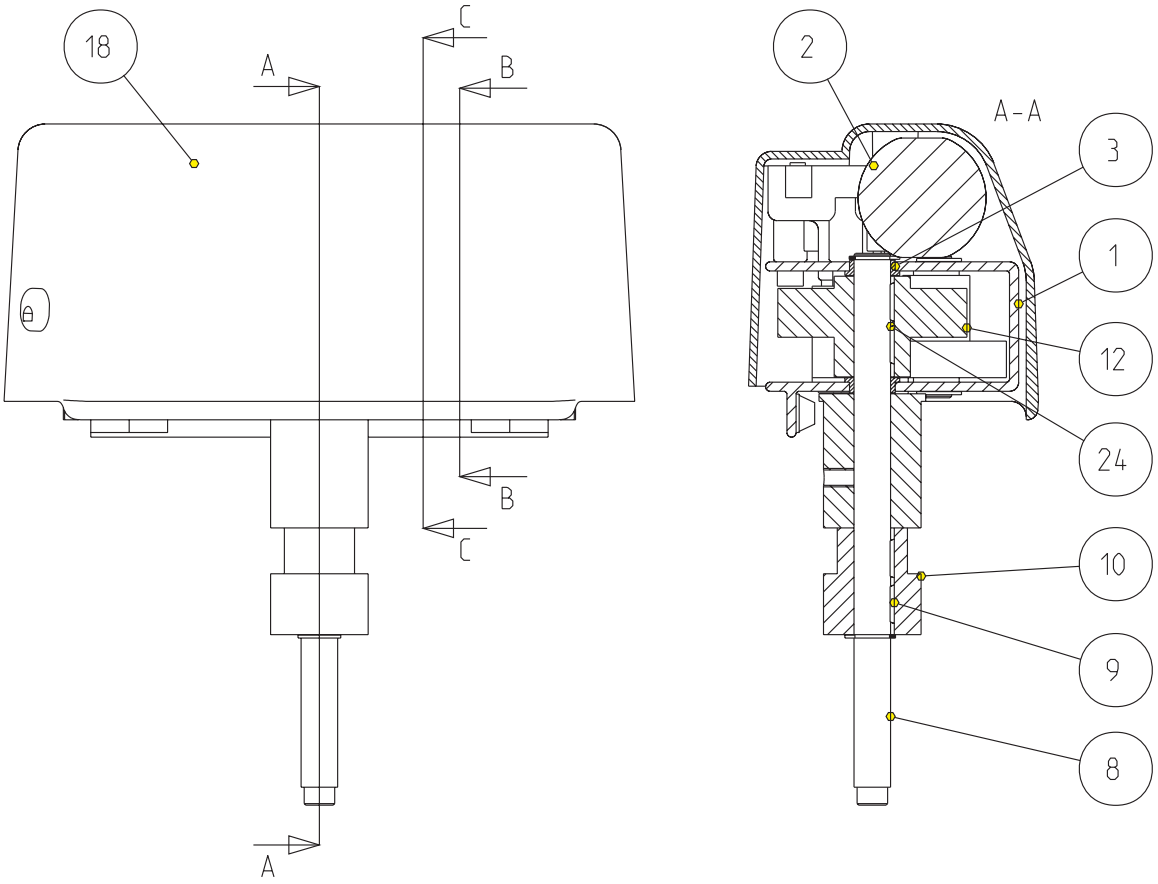
If you hear unusual sounds or discover wear and tear on the strap.

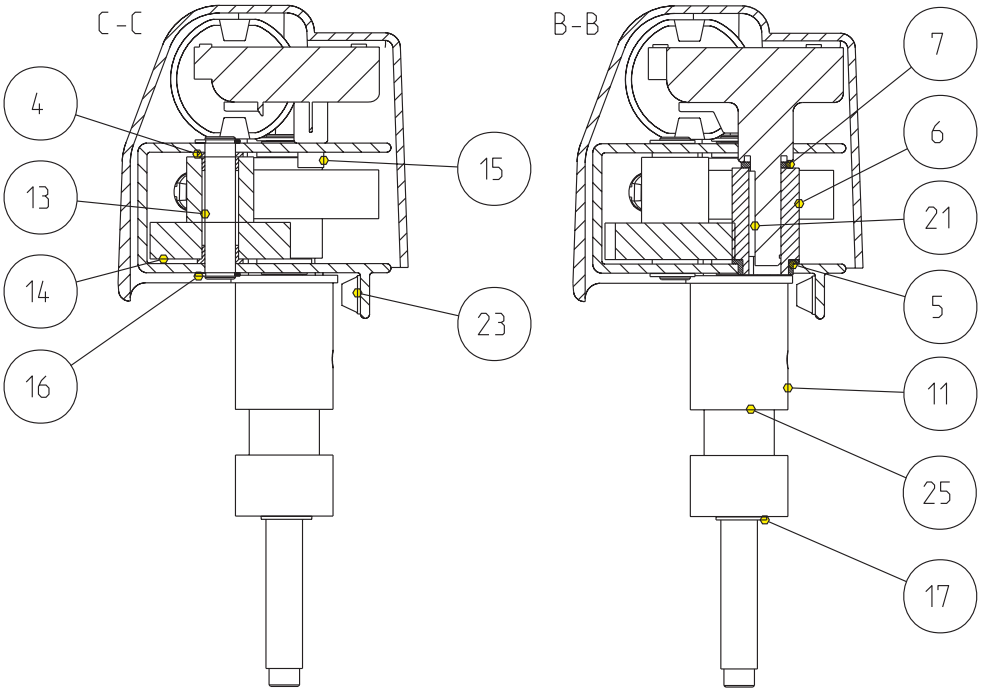
Contact Liko.

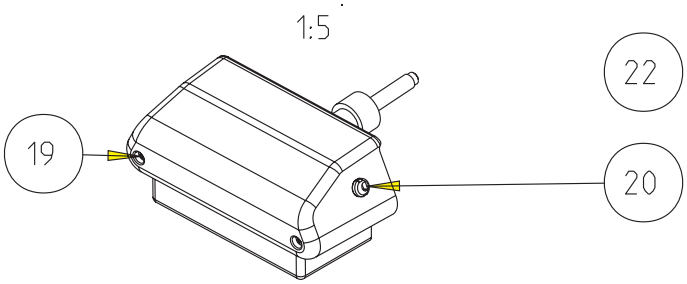
Enkel felsökning GOLVO

Lyften fungerar ej upp/ner. Benbreddning fungerar ej in/ut.	1. Kontrollera att nödstoppen ej är intryckt. 2. Kontrollera att kablarna är rätt anslutna. 3. Kontrollera att laddkabel ej är ansluten. 4. Kontrollera batterispänningen. 5. Kontrollera att kontaktblecken till batteri ej är defekta eller avbrutna. 6. *Om lyften fortfarande inte fungerar tillfredsställande, kontakta Liko.*
Lyften laddar ej.	1. Kontrollera att nödstoppen ej är intryckt. 2. Kontrollera att kontaktblecken till batteri ej är defekta eller avbrutna. 3. *Om lyften fortfarande inte fungerar tillfredsställande, kontakta Liko.*
Lyften stannar i högt läge.	1. Kontrollera att nödstoppen ej är intryckt. 2. Kontrollera batterispänningen. 3. Använd markerad mekanisk nödsänkningsanordning, se sid 10. 4. *Om problemet kvarstår, kontakta Liko.*
Om du hör eventuella missljud eller upptäcker bandslitage.	*Kontakta Liko.*

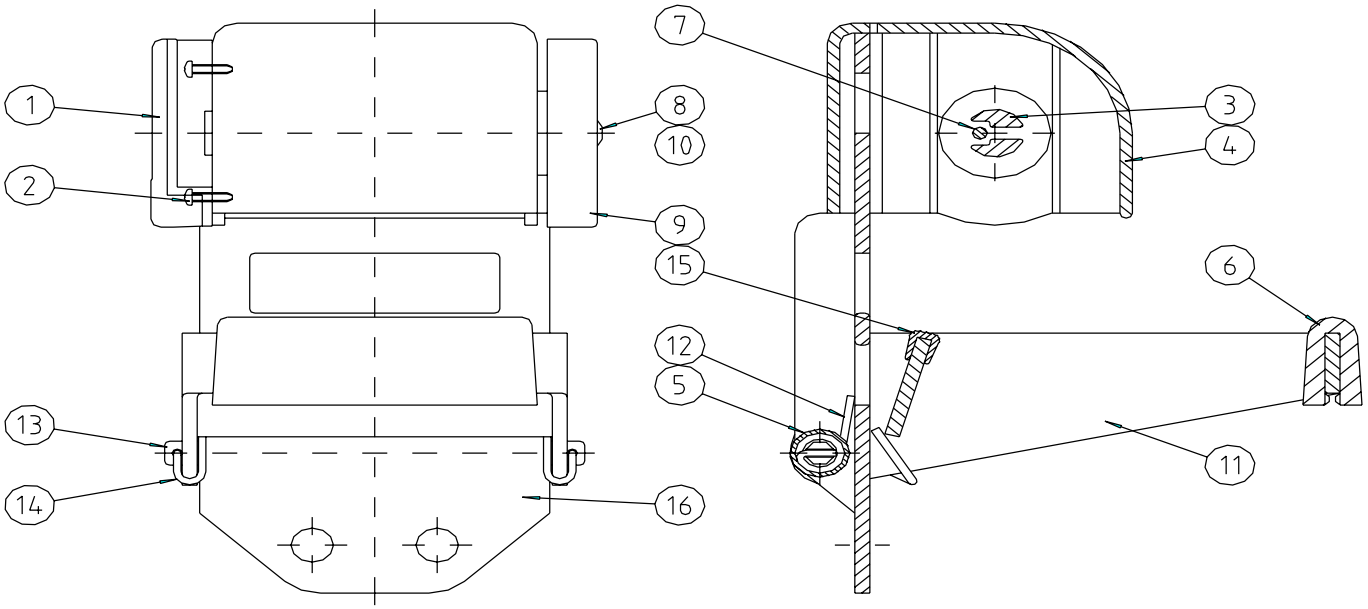
Drawing no. R 4991101-3



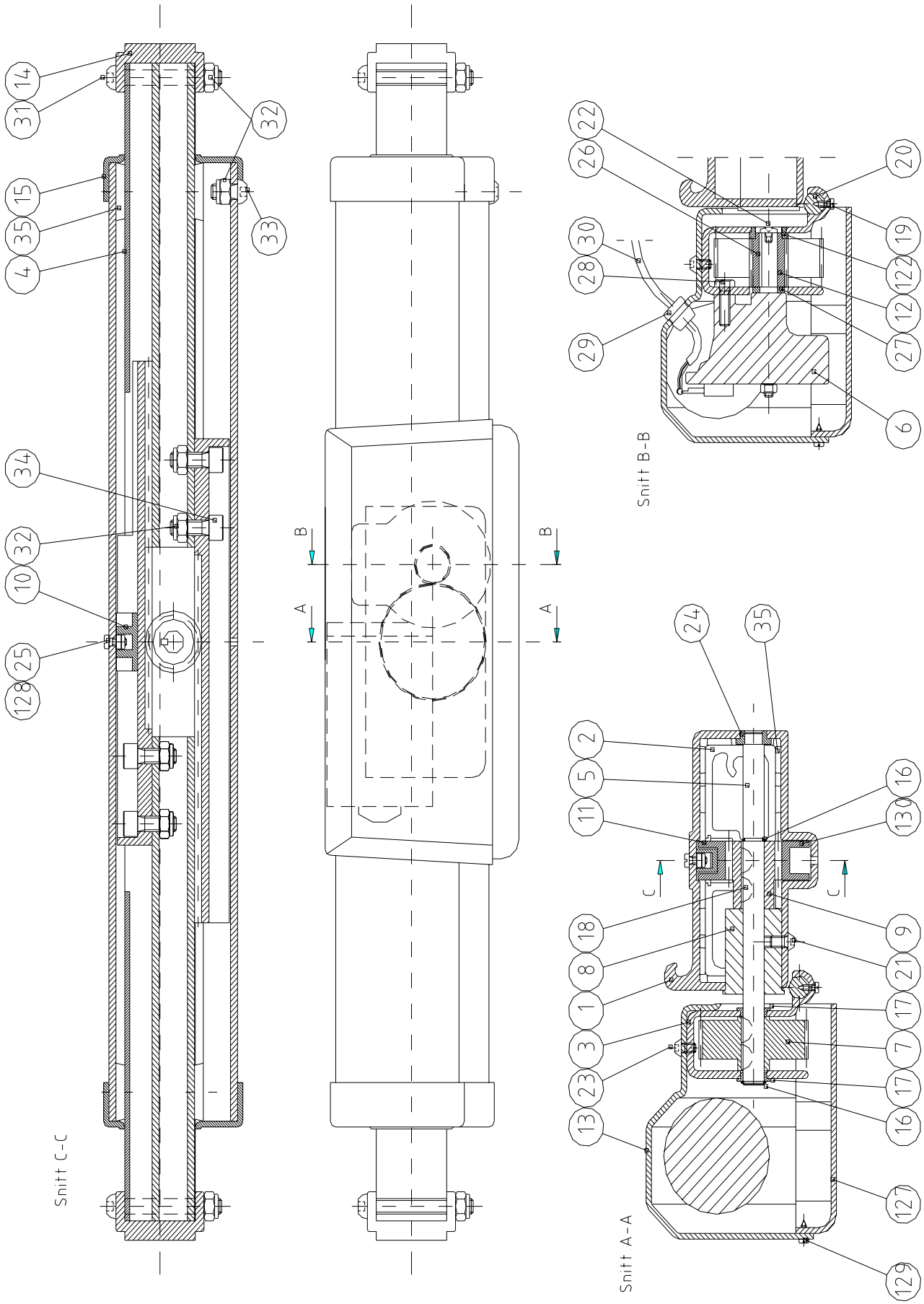




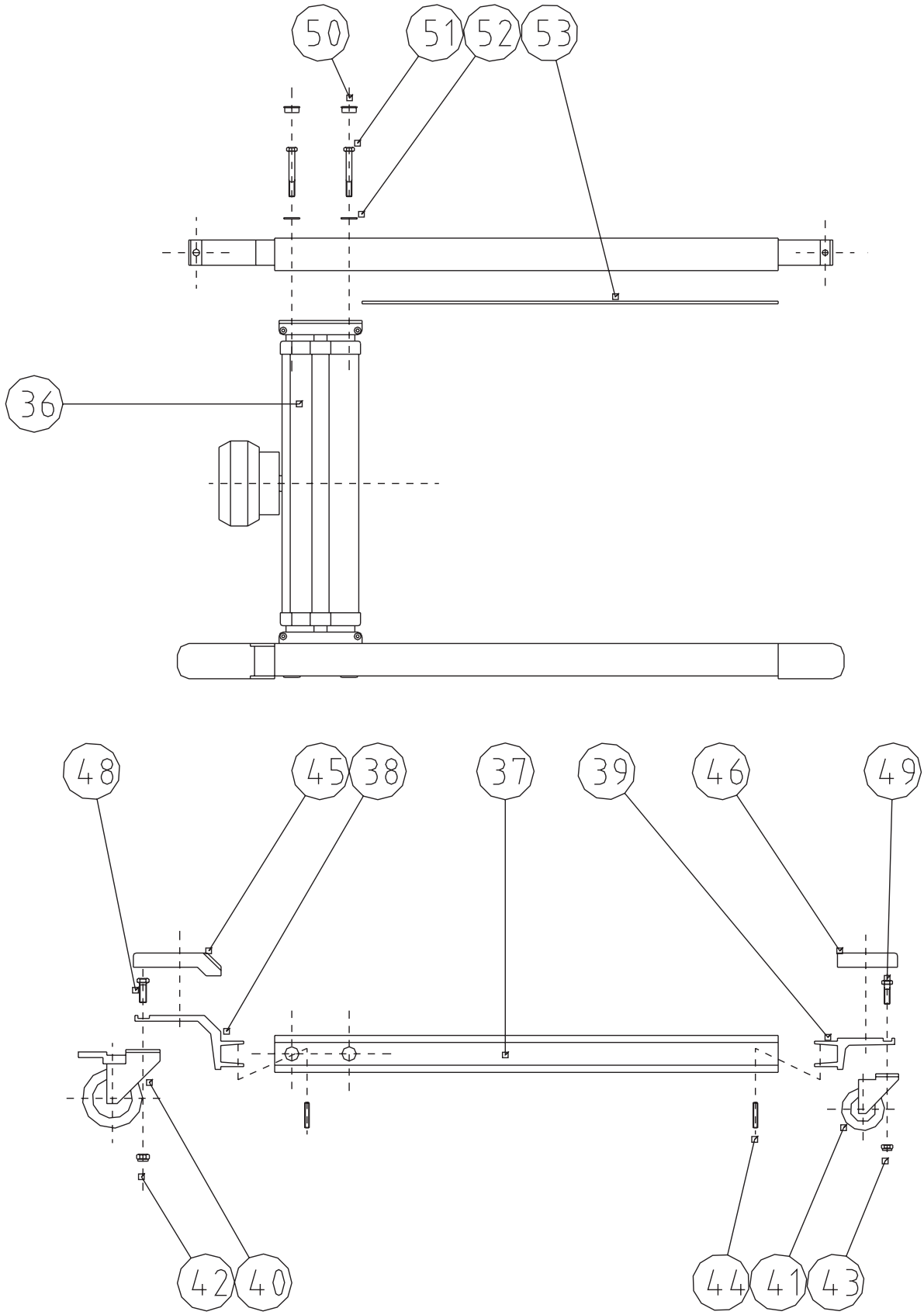
Drawing no. R 3961203



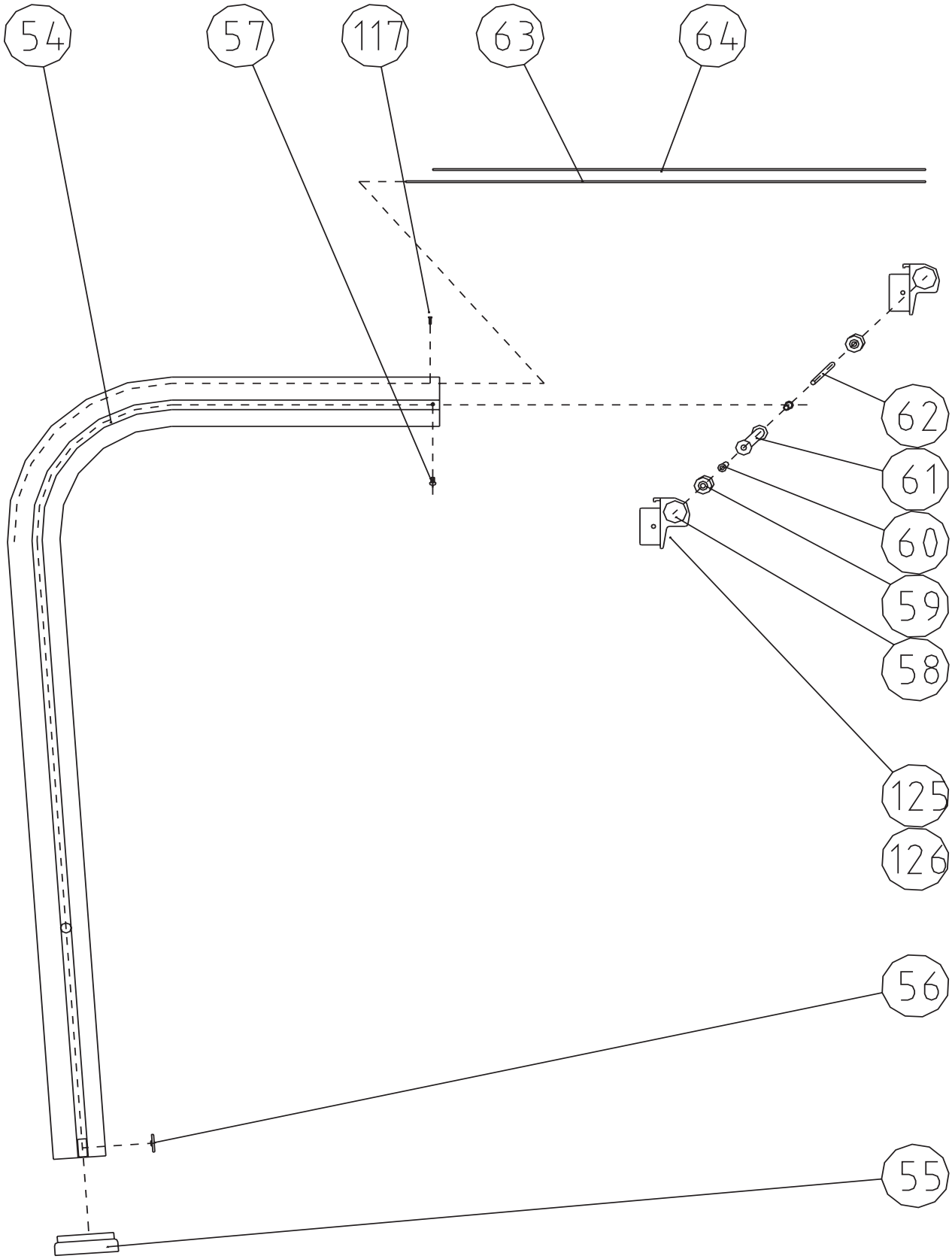
Drawing no. R 4911135-2



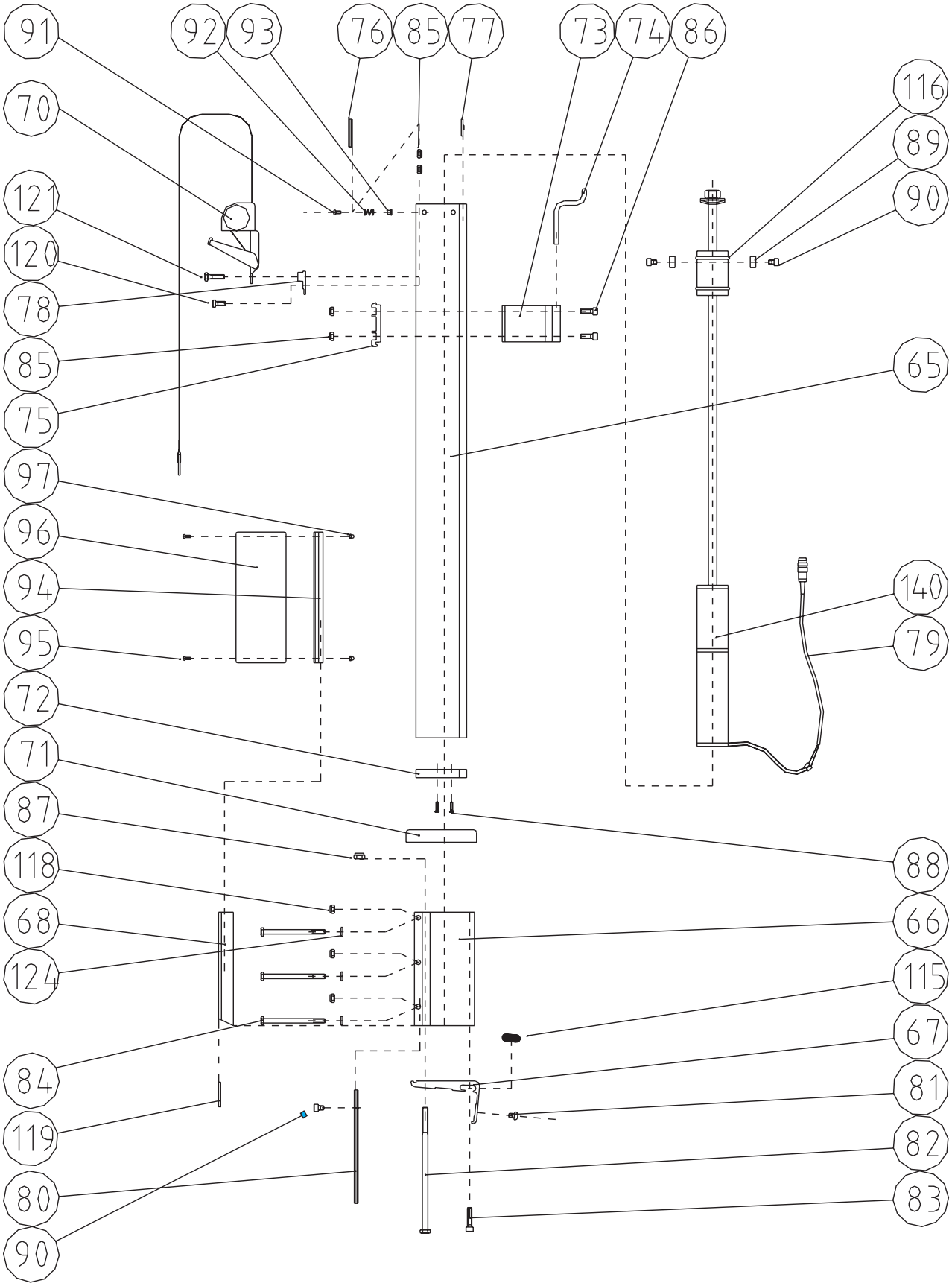
Drawing no. R 4911138-d



Drawing no. R 4911139-b



Drawing no. R 4911140-c



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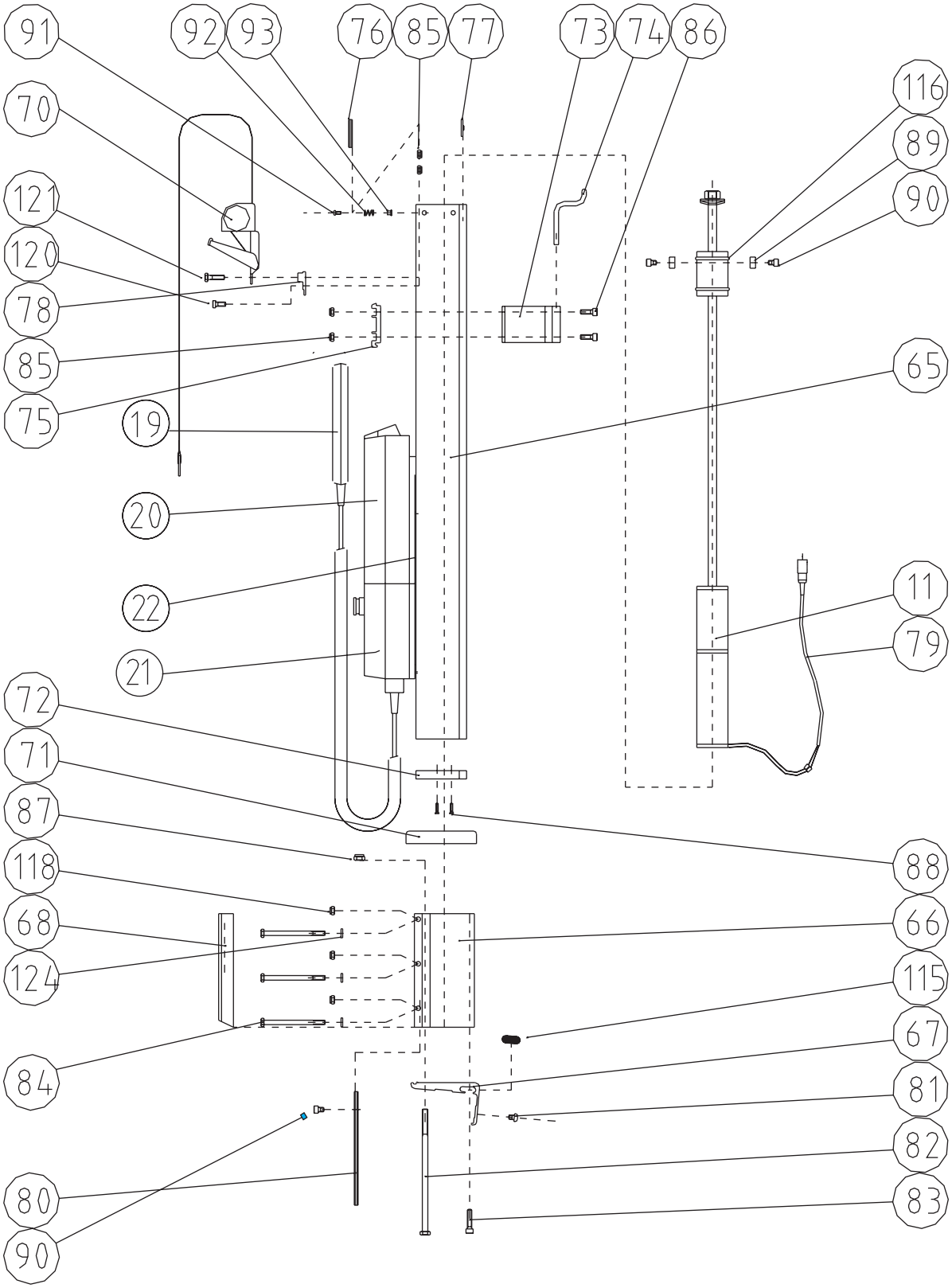

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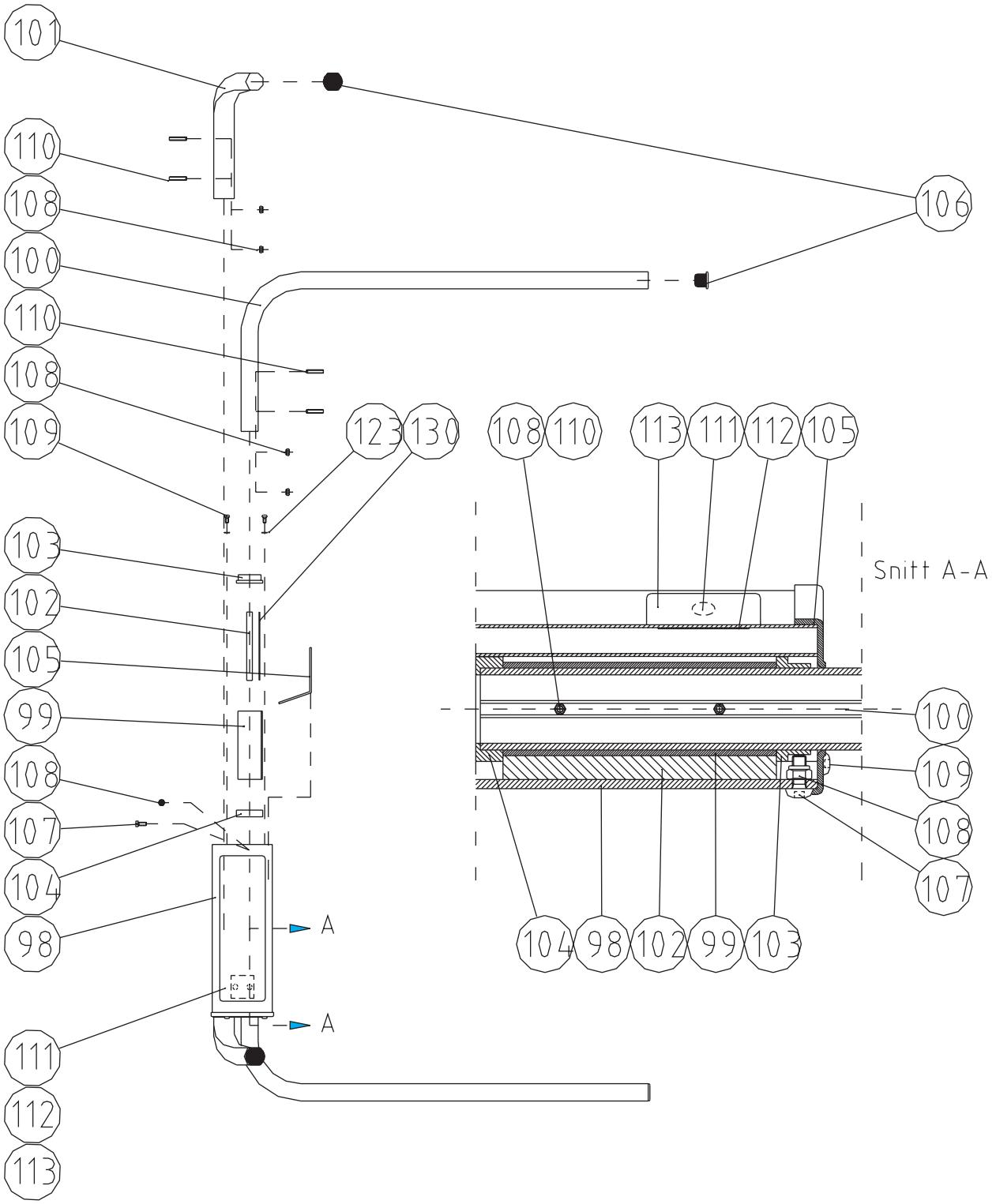

Liko

Checklist for mobile lifts

Customer

No.

Name

Address:

(Zip Code)

City/state

Country

Tel:

Fax:

Customer Reference:

Name

Tel:

Fax:

E-mail:

Text:

Contract no.:

Lift type:

Location:

Serial No:

Manuf. Year:

Check

Item	System
1	**Chassis**
1.1	Wheels/brakes
1.2	Wheel base adjustment/Limits (parameters)
1.3	Crossbeam/Center
1.4	Screws/bolts
1.5	Mast base
2	**Mast**
2.1	Mast / boom (lift arm)
2.2	Lifting range/Limits (parameters)
2.3	Handles / armrests
2.4	Lift strap Slingbar connection
2.5	Screws/bolts
3	**Safety features**
3.1	Emergency lowering device
3.2	Safety features
4	**Power**
4.1	Handcontrol
4.2	Cables/Connectors
4.3	Battery/Charger
4.4	Emergency stop
5	**Documentation**
5.1	Labels,signs
5.2	Instructions /users guides
5.3	
5.4	
6	**Other**
6.1	Protective cover
6.2	Notes

Comments:

Item	System

Load test weight:

Date:

Serviced by:

Liko

Checklista mobila lyftar

Kund

Nr.:

Namn:

Adress:

Pos.tnr.

Ort.

Land:

Tel:

Fax:

Kundreferenser

Namn:

Tel:

Fax:

E-pos.t:

Text:

Avtalsnr.:

Lyfttyp:

Placering:

Tillv.nr.:

Tillv.år:

Kontroll av:

Pos.	System
1	**Chassi**
1.1	Hjul / Bromsar
1.2	Breddning / Gränsläge
1.3	Mittbalk / Center
1.4	Skruvförband
1.5	Infäsning Chassi / Perlare
2	**Pelare**
2.1	Infästning Pelare / Lyftarm
2.2	Lyftområde / Gränsläge
2.3	Handtag / Armstöd
2.4	Lyftband / Infästning Lyftbygel
2.5	Skruvförband
3	**Säkerhetsanordningar**
3.1	Nödsänkning
3.2	Urkrokningsskydd lyftbygel
4	**Elektronik**
4.1	Handkontroll
4.2	Kablage / Anslutningar
4.3	Batteri / Laddningsfunktion
4.4	Nödstopp
5	**Dokumentation**
5.1	Typskylt
5.2	Instruktion / Bruksanvisning
5.3	
5.4	
6	**Övrigt**
6.1	Skyddskåpor
6.2	Notering

Anmärkning:

1. ***Påpekande*** 2. ***Åtgärdas omg.***

Pos.	System

Provbelastad med märklast:

Datum:

Service utförd av: